WM-GX53/GX54/GX57/GX58

SERVICE MANUAL

E Model
WM-GX53/GX54/GX57/GX58

Tourist Model
WM-GX58

PHOTO : WM-GX54

Model Name Using Similar Mechanism	WM-EX606
Tape Transport Mechanism Type	MT-WMRX707-60

SPECIFICATIONS

Radio section

Frequency range: FM: 87.5 – 108.0 MHz
AM: 531 – 1,602 kHz

Antenna: FM: Headphones' cord antenna
AM: Built-in ferrite bar antenna

Tape recorder section and general

Frequency response (DOLBY NR* off)
Playback: 40 – 15,000 Hz
Recording/playback: 50 – 8,000 Hz (TYPE I only)

Output: Headphones (PHONES jack) (GX53/GX54)
Headphones (Ω/REMOTE jack) (GX57/GX58)
load impedance 8 – 300 ohms

Power output: 5 mW + 5 mW (16 ohms)

* Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation.
"DOLBY" and the double-D symbol DD are trademarks of Dolby Laboratories Licensing Corporation.

Battery life (Approx. hours)

Battery	Playback	Radio reception	Recording with supplied microphone	Recording from built-in radio
Rechargeable NC-AA fully charged	3	8	2.5	2
Sony alkaline AM3(N)	6.5	21	4	3.5
Sony SUM-3(NS)	2	8	1.5	1

For a maximum performance we recommend the use of an alkaline battery.

Power requirements: 1.5 V DC
Rechargeable battery (NC-AA)
One R6 (size AA) battery
DC IN 1.5V jack accepts:
- Sony AC-E15L or AC-E15AL AC power adaptor (not supplied) for use on 120 V AC 60 Hz or 220 V AC 50 Hz
- Sony DCC-E115L (not supplied) for use with 12 V car battery

Dimensions: Approx. 108.8 × 77.5 × 34.5 mm (w/h/d)
incl. projecting parts and controls

Mass: Approx. 225 g incl. battery

Supplied accessories: Stereo headphones (1) Remote controller (1) (supplied to the WM-GX57/GX58)
Ear adaptors (2): If the headphones do not fit your ears, attach the ear adaptors.
Plug adaptor (1) (supplied to the WM-GX57/GX58)
Microphone (1) Microphone stand (1)
Lithium battery (1) Carrying case (1)
Battery charger (supplied to the WM-GX54/GX58) (1)
AC plug adaptor (supplied to the WM-GX54/GX58) (1)
Rechargeable battery (supplied to the WM-GX54/GX58) (1)

Optional accessories: AC power adaptor AC-E15L, AC-E15AL (supplied to the WM-GX57/GX58)
Car battery cord DCC-E115L

Your dealer may not handle some of the optional accessories listed above. Please ask the dealer for detailed information.

Design and specifications subject to change without notice.

RADIO CASSETTE-CORDER

SONY®

TABLE OF CONTENTS

Section	Title	Page
SECTION 1.	SERVICING NOTE	3
SECTION 2.	GENERAL	
	Parts Identification	5
SECTION 3.	DISASSEMBLY	
3-1.	Removal of Case Assy	6
3-2.	Removal of Cassette Lid Assy	6
3-3.	Removal of Tuner Board Assy (1)	6
3-4.	Removal of Tuner Board Assy (2)	6
3-5.	Removal of Holder (CF REC) Block Assy	7
3-6.	Removal of Audio Board Assy	7
3-7.	Removal of Belt	7
3-8.	Removal of Audio Board	7
SECTION 4.	ADJUSTMENTS	
4-1.	Mechanical Adjustments	8
4-2.	Electrical Adjustments	8
SECTION 5.	IC PIN FUNCTIONS	11
SECTION 6.	DIAGRAMS	
6-1.	Semiconductor Lead Layouts	14
6-2.	Block Diagram	14
6-3.	Printed Wiring Board • AUDIO SECTION	17
6-4.	Schematic Diagram • AUDIO SECTION	21
6-5.	Schematic Diagram • TUNER SECTION	25
6-6.	Printed Wiring Board • TUNER SECTION	29
SECTION 7.	EXPLODED VIEWS	
7-1.	Ornament Block	32
7-2.	Main Boards Block	33
7-3.	Mechanism Block (MT-WMRX707-60)	34
SECTION 8.	ELECTRICAL PARTS LIST	35

SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY SHADING AND MARK ⚠ ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

Notes on chip component replacement

- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

Flexible Circuit Board Repairing

- Keep the temperature of the soldering iron around 270 °C during repairing.
- Do not touch the soldering iron on the same conductor of the circuit board (within 3 times).
- Be careful not to apply force on the conductor when soldering or unsoldering.

SECTION 1
SERVICING NOTE

Hall element H701 mounted on the main board is used to detect rotation of the reels. Because it is mounted on the main board, when the main board is being removed, rotation of the reels cannot be detected and the auto-off/tape-end detector circuit does not operate correctly.
Switch S701 (for N/R and FF/REW) is also mounted on the main board. Therefore, without the main board, the head cannot be placed in playback position, and power cannot be supplied to the circuitry of the playback system.
When the main board is being removed, follow the procedures below, in order to check operation of the mechanisms of the tape deck and to check voltages supplied to each circuit.

NOTE:

Do not change the setting position of switch S701 when removing the main board. If it has been changed accidentally, or if the desired mode cannot be set with the switch, adjust the setting again after the main board is installed.

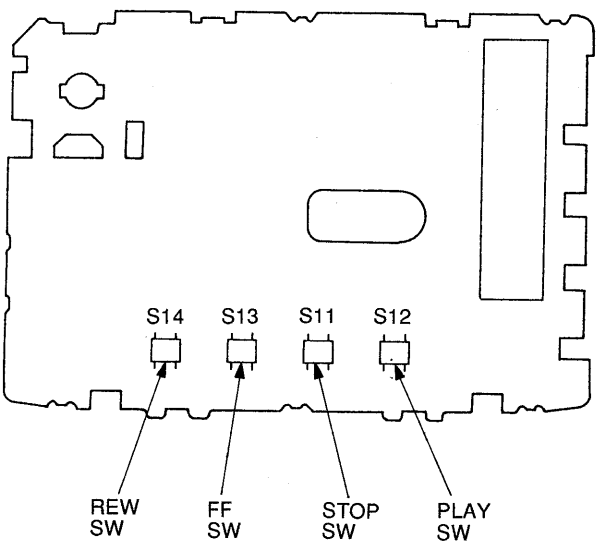
FF/REW mode

(1) Apply a square wave signal or a sine wave signal to hall element H701. (See the figure on the right.)
(2) Press the STOP switch for selecting STOP mode.
(3) Press the FF or REW switch.
(4) Remove the main board.

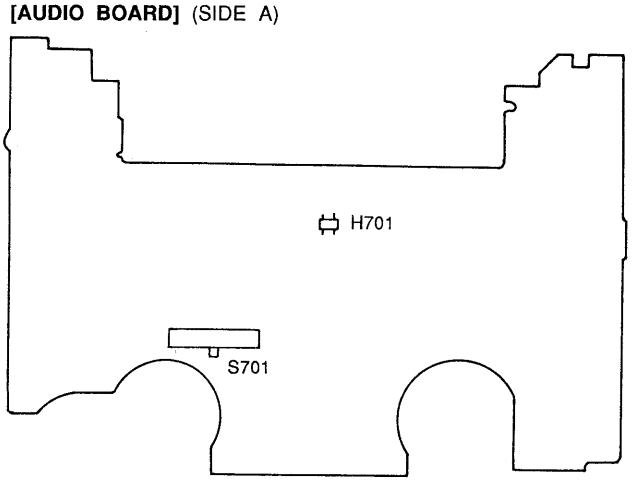
PLAY mode

(1) Apply a square wave signal or a sine wave signal to hall element H701. (See the figure on the right.)
(2) Press the STOP switch for selecting STOP mode.
(3) Press the PLAY switch. With the main board installed, pressing the PLAY switch selects the FWD or REV mode alternatively.
(4) Remove the main board.

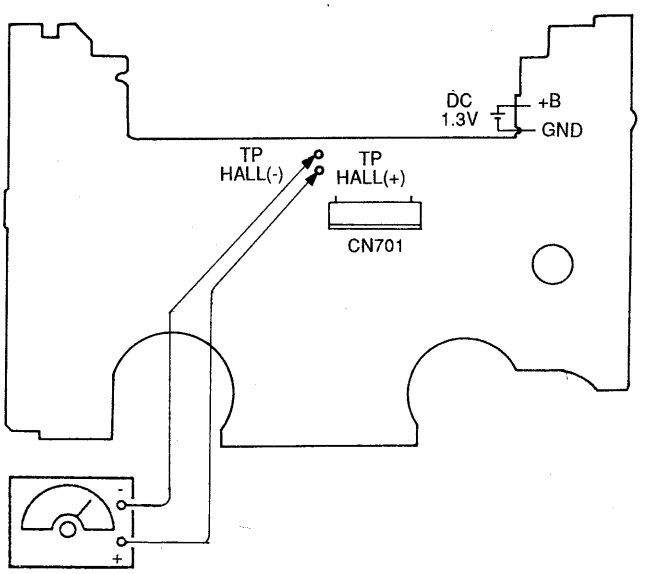
[TUNER BOARD] (SIDE B)



[AUDIO BOARD] (SIDE A)

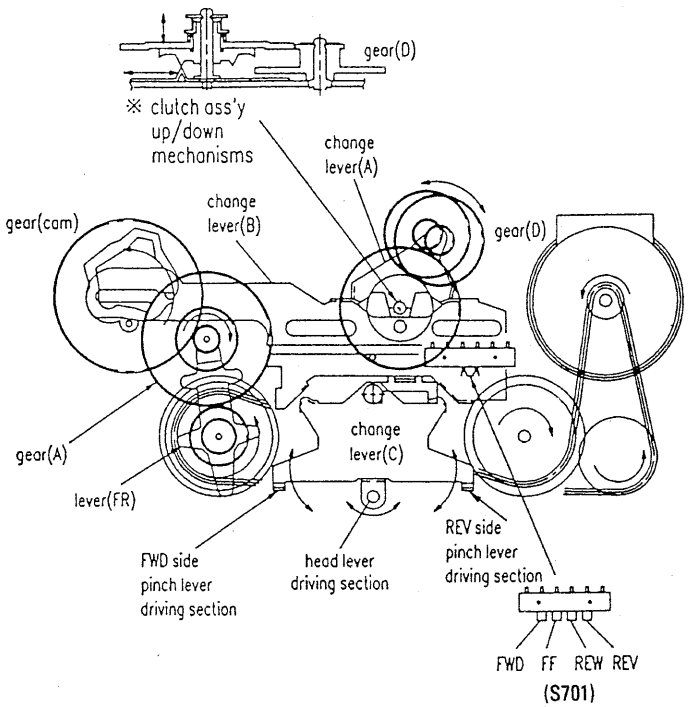


[AUDIO BOARD] (SIDE B)



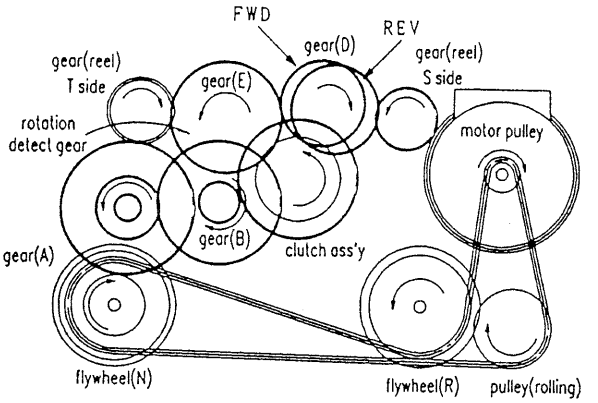
Function of the lever and rotating mechanisms for mode selection

- Mode selection starts when the motor rotates reversely.
- Change lever (B) moves to the left or right when driven with the gear (cam).
- The switch set position of switch S701 (4-position switch) is determined in accordance with the position of Change lever (B). When the switch set position is set appropriately, the motor rotates normally and the tape starts moving.

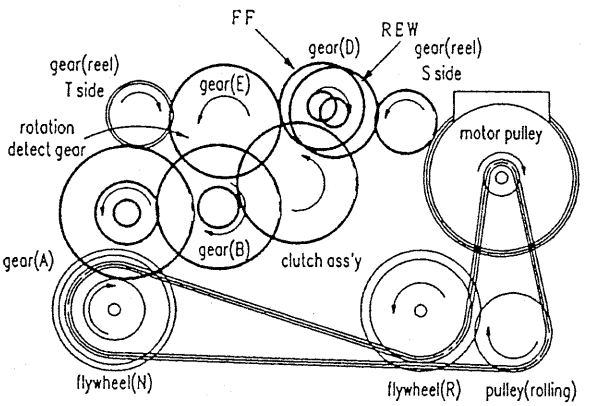


- Lever (FR) is driven with gear (A) by friction, and it swings to the left or right depending on the rotating direction of the motor.
- Selector levers (A) and (C) also swing to the left or right in accordance with the movement of Change lever (B), and the clutch assembly moves upward or downward accordingly.
- The pinch roller is activated and the head is placed in playback position with selector lever (C).
- When the mode is switched from one mode to another, the pinch roller is activated while the motor is rotating reversely (for a short period of time), causing a little slackness in the tape transport.

1. Rotating Mechanisms in PLAY Mode



2. Rotating Mechanisms in FF, REW Mode

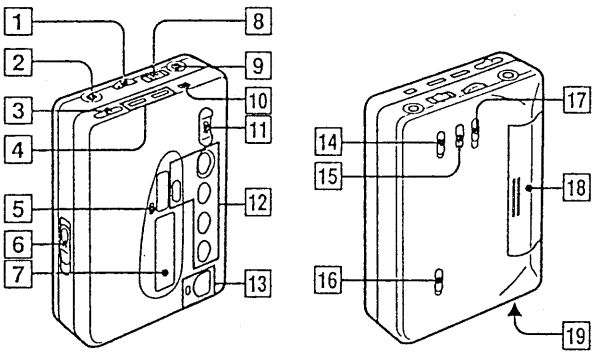


SECTION 2
GENERAL

This section is extracted from instruction manual.

Parts Identification

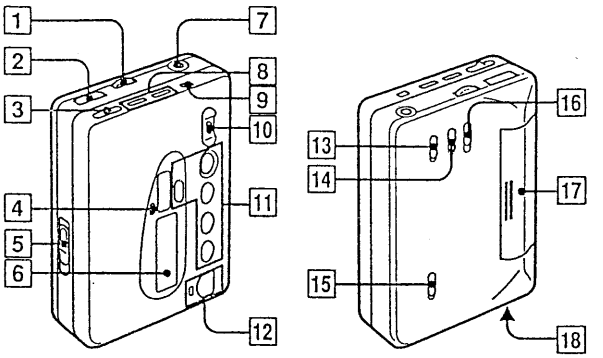
WM-GX53/GX54



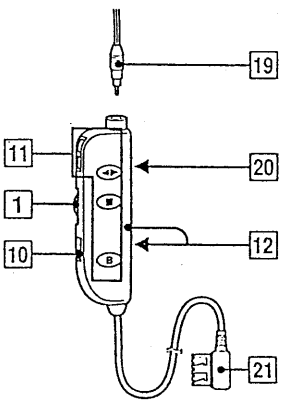
[1] VOL (volume) control
[2] PHONES (headphones) jack
[3] FM • ST/MONO (stereo/monaural) selector
[4] TUNE (tuning) buttons
[5] BATT (battery) indicator
[6] OPEN switch
[7] Display window
[8] AVLS (Automatic Volume Limiter System) selector
[9] MIC (microphone)/PLUG IN POWER jack
[10] ENTER button
[11] REC (recording) switch
[12] Tape/Radio operation buttons
[13] HOLD switch and indicator
[14] MODE (tape transport) selector
[15] DOLBY NR (PB) (Dolby Noise Reduction, play back) switch
[16] ISS (Interference Suppress Switch) selector
[17] MEGA BASS selector
[18] Battery compartment
[19] DC IN 1.5V (external power input) jack

WM-GX57/GX58

Main Unit



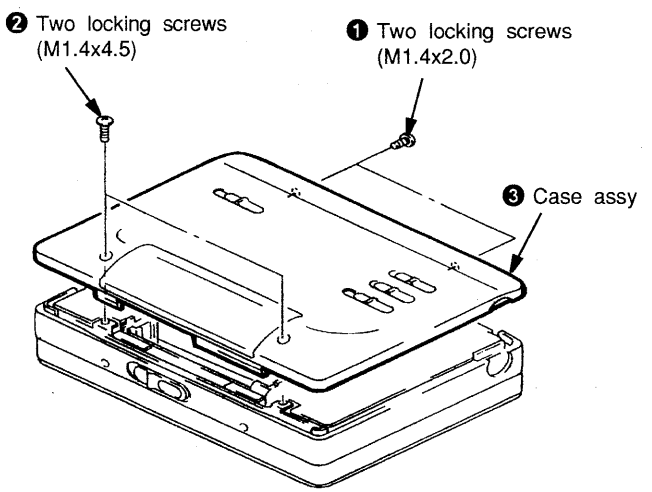
Headphones and Remote Controller



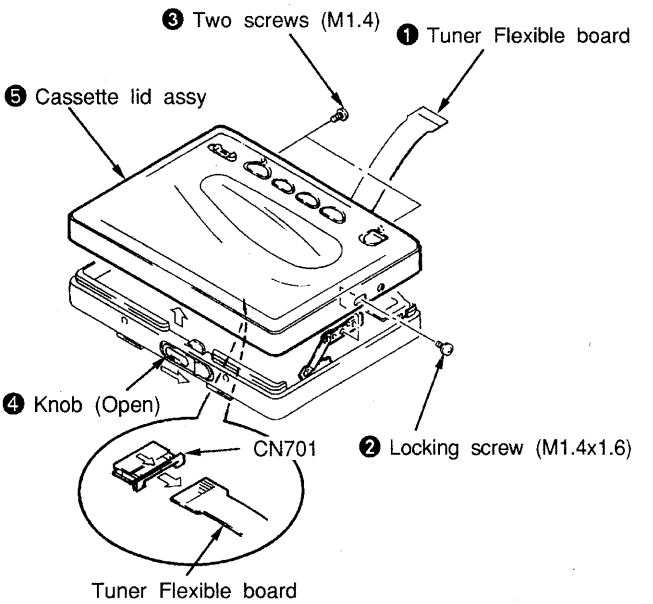
[1] VOL (volume) control
[2] Ω/REMOTE (headphones/remote controller) jack
When connecting separately bought headphones, use the supplied plug adaptor.
[3] FM • ST/MONO (stereo/monaural) selector
[4] BATT (battery) indicator
[5] OPEN switch
[6] Display window
[7] MIC (microphone)/PLUG IN POWER jack
[8] TUNE (tuning) buttons
[9] ENTER button
[10] REC (recording) switch
[11] Tape/Radio operation buttons
[12] HOLD switch and indicator
[13] MODE (tape transport) selector
[14] DOLBY NR (PB) (Dolby Noise Reduction for playback) switch
[15] ISS (Interference Suppress Switch) selector
[16] MEGA BASS selector
[17] Battery compartment
[18] DC IN 1.5V (external power input) jack
[19] Micro plug
[20] AVLS (Automatic Volume Limiter System) selector
[21] Nine pole plug

SECTION 3.
DISASSEMBLY

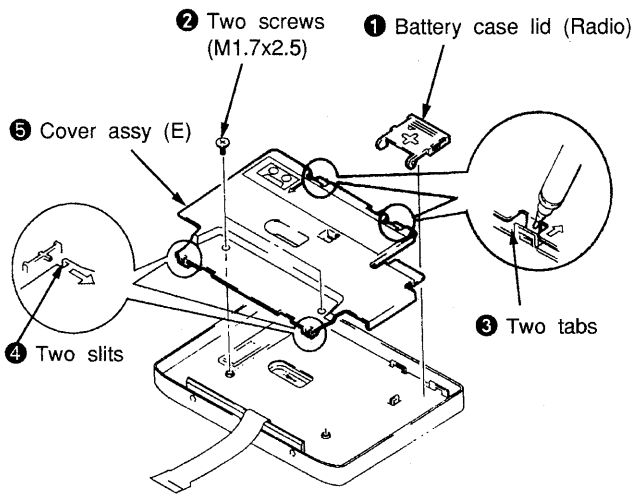
3-1. REMOVAL OF CASE ASSY



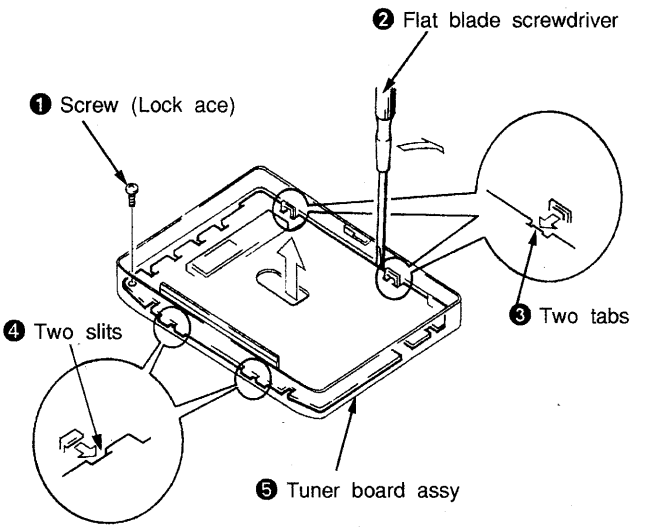
3-2. REMOVAL OF CASSETTE LID ASSY



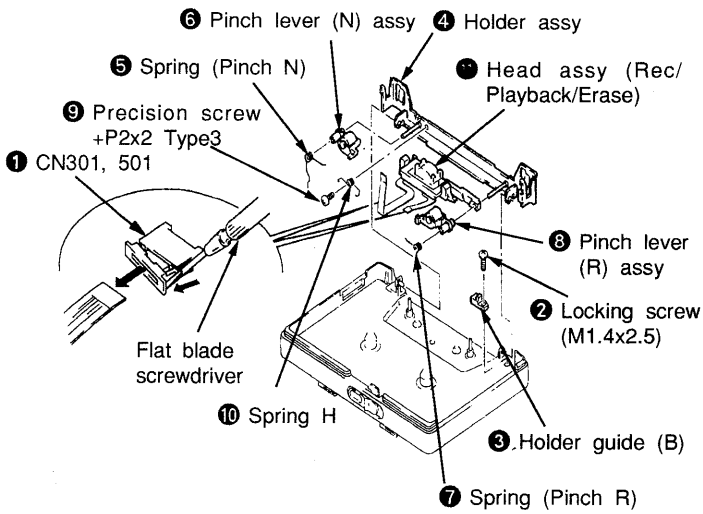
3-3. REMOVAL OF TUNER BOARD ASSY (1)



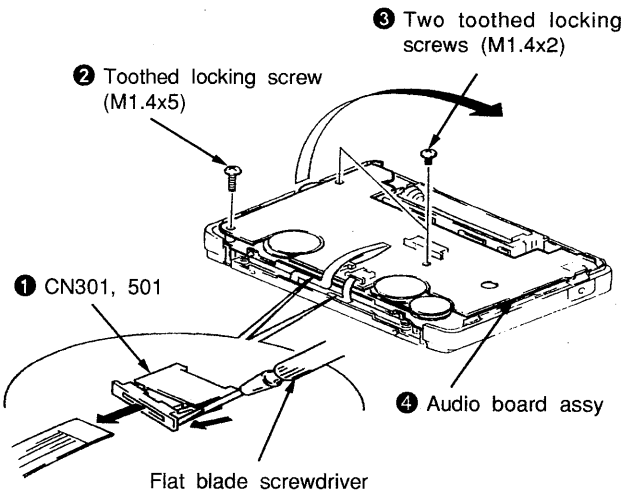
3-4. REMOVAL OF TUNER BOARD ASSY (2)



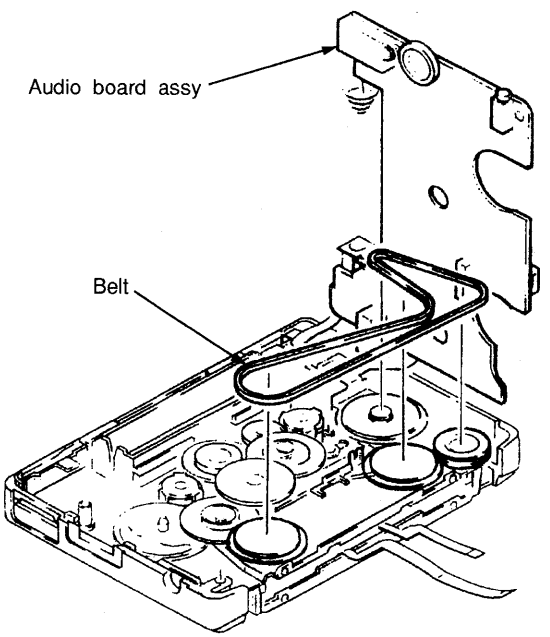
3-5. REMOVAL OF HOLDER (CF REC) BLOCK ASSY


❻ Pinch lever (N) assy
❹ Holder assy
❺ Spring (Pinch N)
❼ Head assy (Rec/ Playback/Erase)
❾ Precision screw +P2x2 Type3
❶ CN301, 501
❽ Pinch lever (R) assy
❷ Locking screw (M1.4x2.5)
Flat blade screwdriver
❿ Spring H
❸ Holder guide (B)
❼ Spring (Pinch R)

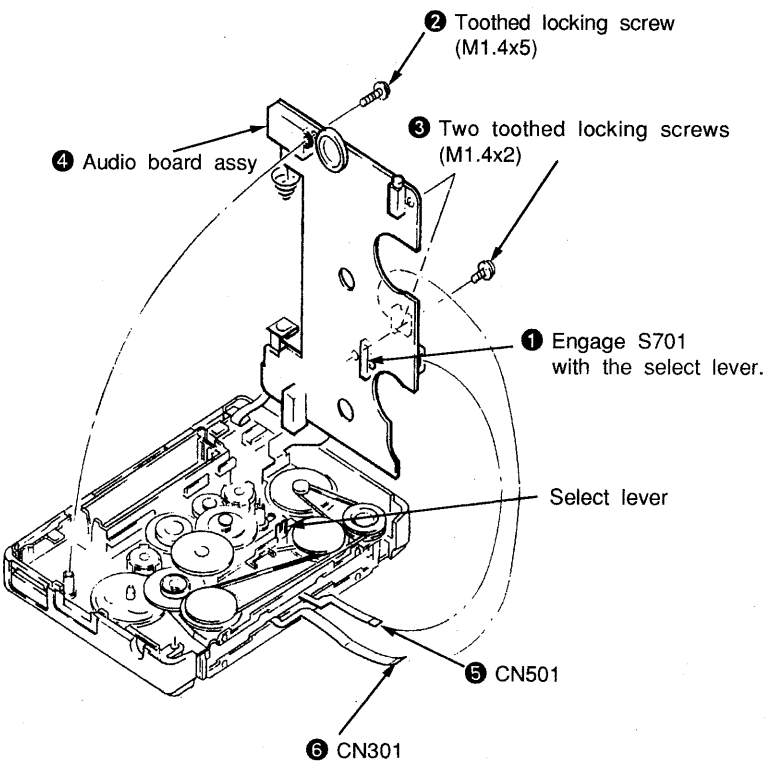
3-6. REMOVAL OF AUDIO BOARD ASSY



3-7. REMOVAL OF BELT



3-8. INSTALLATION OF AUDIO BOARD


❷ Toothed locking screw (M1.4x5)
❸ Two toothed locking screws (M1.4x2)
❹ Audio board assy
❶ Engage S701 with the select lever.
Select lever
❺ CN501
❻ CN301

SECTION 4
ADJUSTMENTS

4-1. MECHANICAL ADJUSTMENTS

PRECAUTION

1. Clean the following parts with a denaturedalcoho-moistened swab:
   playback head rubber belts
   capstan idlers
   pinch roller
2. Demagnetize the playback head with a head demagnetizer.
3. Do not use a magnetized screwdriver for the adjustments.
4. After the adjustments, apply suitable locking compound to the parts adjusted.
5. The adjustments should be performed with the rated power supply voltage (1.3V) unless otherwise noted.

Torque Measurement

Mode	Torque Meter	Meter Reading
FWD	CQ-102D	22 - 38g • cm (0.31-0.52 oz • inch)
FWD Back Tension		0.5 - 3.0g • cm (0.01-0.04 oz • inch)
REV	CQ-102RC	22 - 38g • cm (0.31-0.52 oz • inch)
REV Back Tension		0.5 - 3.0g • cm (0.01-0.04 oz • inch)
FF	CQ-102B	more than 60g • cm more than 0.84 oz • inch
REV		

Tape Pulling Force Measurement

Mode	Torque Meter	Meter Reading
FWD	CQ-403A	more than 40g
REV	CQ-403R	

4-2. ELECTRICAL ADJUSTMENTS

PRECAUTION

1. Power supply voltage : 1.3V
2. Switch position
   DOLBY switch : OFF
   MEGA BASS switch : NORM
   AVLS switch : OFF

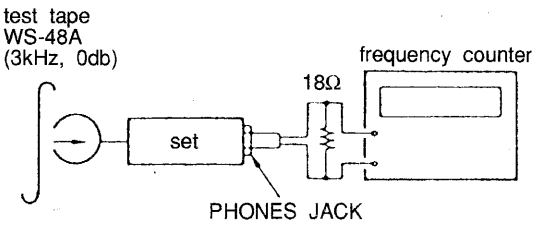
CASSETTE SECTION

TEST TAPE

Type	signal	Used for
WS-48A	3kHz, 0db	Tape Speed Adjustment

TAPE SPEED ADJUSTMENT

Procedure:

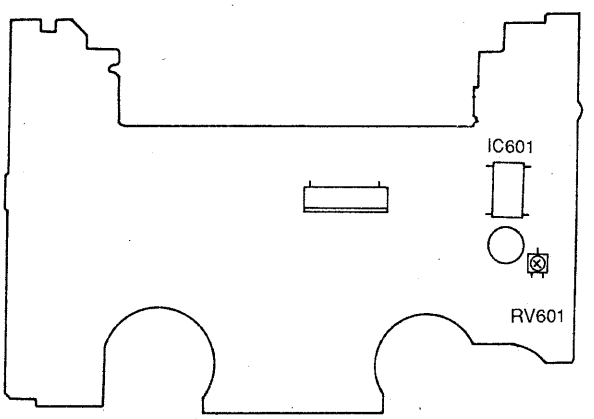


1. Playback WS-48A (tape center portion) in FWD mode. Adjust the RV601 so that the frequency counter reads 3010 Hz ± 15 Hz.

2. Play back WS-48A (tape center portion) in REV mode. Confirm that the reading of frequency counter is within 2.5% from the reading in step 1.

Adjustment Location:

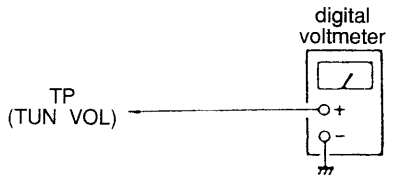
[AUDIO BOARD] — SIDE B —



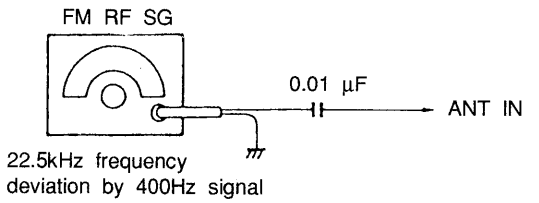
RADIO SECTION

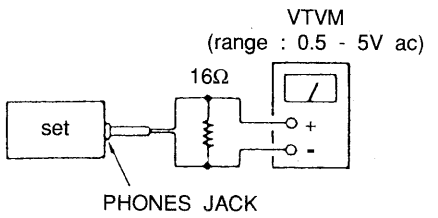
FM SECTION

Setup :
BAND switch : FM



FM TUNING ADJUSTMENT	
Adjust for following values on digital voltmeter.	
Display indication	FM 87.50 MHz
Digital voltmeter reading	3.4 ± 0.05V dc
Adjustment part	L2



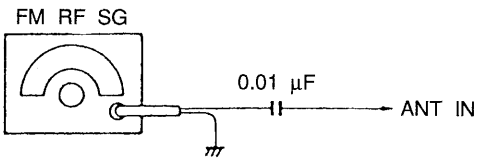


- Repeat the procedures in each adjustment several times, and the tracking adjustment should be finally done by the trimmer capacitors.

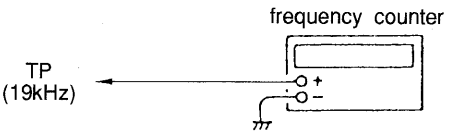
FM TRACKING ADJUSTMENT		
Adjust for a maximum reading on VTVM.		
Display indication	FM 87.50 MHz	FM 108.00MHz
SG frequency	87.50 MHz	108.00MHz
Adjustment part	L1, T1	CT1

VCO ADJUSTMENT

Setup :
BAND switch : FM
FM ST/MONO switch : FM ST



No frequency modulation

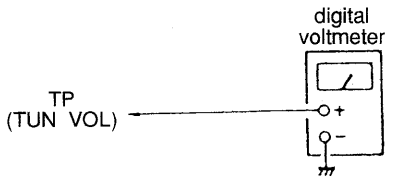


Connection :
1. Connect a registor 150kΩ between TP (19kHz) and ground.

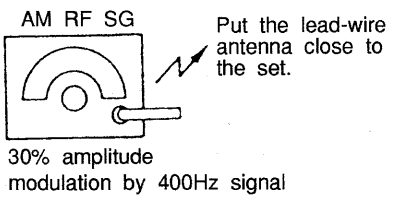
VCO ADJUSTMENT	
Adjust for following values on frequency counter.	
Display indication	FM 87.50 MHz
SG frequency	87.50 MHz
Frequency counter reading	19.00 ± 0.05 kHz
Adjustment part	RV1

AM SECTION

Setup:
BAND switch: AM

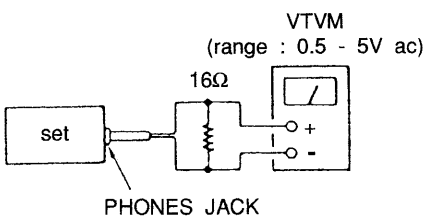


AM TUNING VOLTAGE ADJUSTMENT	
Adjust for following values on digtal voltmeter.	
Display indication	AM 531 kHz
Digital voltmeter reading	1.30 ± 0.05Vdc
Adjustment part	T2



- Repeat the procedures in each adjustment several times, and the tracking adjustment should be finally done by the trimmer capacitors.

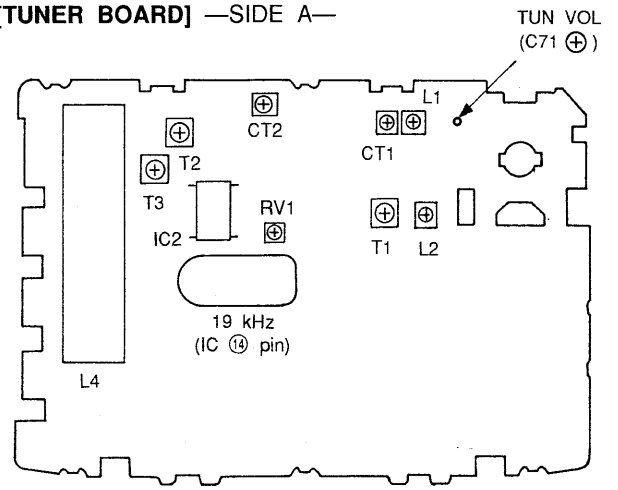
AM IF ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
Display indication	AM 1602 kHz
SG frequency	1602 kHz
Adjustment part	T3



AM TRACKING ADJUSTMENT		
Adjust for a maximum reading on VTVM.		
Display indication	AM 621 kHz	AM 1.395 kHz
SG frequency	621 kHz	1.395 kHz
Adjustment part	L4	CT2

Adjustment Part Location Diagram :

[TUNER BOARD] —SIDE A—



SECTION 5
IC PIN FUNCTIONS

IC3 LCD DRIVER, PLL SYNTHESIZER CONTROL (μPD1724 GB-656-1A7)

Pin No.	Symbol	Pin name	I/O	Function
1 to 10	LCD10 to LCD1	LCD segment signal output	O	Segment signal to LCD panel 3.1V for driving LCD VDD = " L " " H " when power ON and reset. Automatically " L " when clock stops. (display OFF mode)
11	NC	NC	—	Not used.
12 to 14	COM3 to COM1	LCD common signal output	O	Common signal to LCD panel
15 16 17 18	VSS3 CAP2 CAP1 VSS	Capacitor connecting pin for double circuit		Connected to capacitor for double circuit that reates LCD driving voltage. Used for 3.1V type. (for increasing voltage to 3.1V)
19	VDP	Mute	O	Out puts muting signal to avoid shock noise and switching noise in tuning, or noise in serial communication. Active " L ".
20	CGP	Beep	O	Outputs buzzer signal.(3kHz selected.) ① In case effective key is confirmed during radio ON ② In case of band shifting and preset tuning during radio ON. ③ Each step during auto tuning. ④ In case of auto memory starting and memory writing. ⑤ In case freqency is changed to out of range.
21	NC	NC	—	Not used.
22	VDD	Power supply input		IC power supply
23	VHF	—	—	Not used.
24	HF	Local oscillation input	I	FM local oscillation (VCO) Internally connected to programmable counter.
25	AM	Local oscillation input	I	AM local oscillation (VCO)
26	VSS1	GND	—	IC ground pin.
27	EO1	—	—	Not used.
28	EO2	Error out	O	PLL error output. " H " when frequency, divided from local oscillation, is more the reference. " L " when frequency, divided from local oscillation, is less than the reference.
29	CE	Chip enable		Selecting signal deciding if IC activates or not. IC normally operates when " H " . IC does not normally operate when " L ".
30	X2	Crystal osillator	O	Connected to crystal oscilllator (75kHz).
31	X1		I	
32	VSS4	Regulator connecting pin for oscillator	—	Connected to capacitor for regulator.
33	PA3	Serial signal output	I	8-bit data scrial input
34	PA2	REQ Signal output	I	Serial communication signal

Pin No.	Symbol	Pin name	I/O	Function
35	PA1	No use	—	Not used.
36	PA0	GND	—	GND
37	PB3	$\overline{\text{SCK}}$ signal output	O	Other han serial communication : " L " when CE = " L ", " H " when CE = " H ". Serialclock (Used for discriminating mode.)
38	PB2	Radio power supply output		" H " when radio ON.
39	PB1	No use	—	Not used.
40	PB0	Band output	O	Band output " H " : FM, " L " : AM.
41 42	PC3 PC2	No use	—	Not used.
43	PC1	Key source	O	Key source signal output.
44 45	PC0 K3	No use	—	Not used.
46 47 48	K2 K1 K0	Key return signal	O	Key return signal output. Used together with PC1 key.
49 50	NC	GND	—	GND
51 to 56	LCD16 to LCD11	LCD segment signal output	O	Segment signal to LCD.

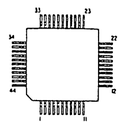
IC701 SYSTEM CONTROL IC (MSM-6576-30GS-K)

Pin No.	Pin Name	I/O	Function	INIT	ACT
1	MOTOR CTL	O	"H"=MOTOR ON	L	H
2	MOTOR DIR	O	"H"=counter-clockwise rotation, "L"=clockwise rotation.	L	H
3	MOTOR BRK	O	"H"=BREAK ON	L	H
4	RESET	–	Reset pin	–	–
5	TEST1	–	Test pin (fixed at "L")	–	–
6	TEST2	–	Test pin (fixed at "L")	–	–
7	TEST3	–	Test pin (fixed at "L")	–	–
8	FWD SW	I	Switch pin	L	H
9	FF SW	I	Switch pin	L	H
10	REW SW	I	Switch pin	L	H
11	REV SW	I	Switch pin	L	H
12	RADIO POWER	I/O	Fixed at "H"	L	L
13	SCLK (1)	I/O	Reception in cf unit, transmission in tc unit.	H	–
14	DATA (1)	O	Communication pin	L	–
15	$\overline{XT}$	–	Connected to crystal oscillator for clock (32.768kHz)	–	–
16	XT	–	Connected to crystal oscillator for clock (32.768kHz)	–	–
17	V_{DD}	–	1.5V power supply	–	–
18	VSS1	–	GND	–	–
19	VCM	–	Increases power supply voltage	–	–
20	VCP	–	Increases power supply voltage	–	–
21	VSS2	–	Increases power supply voltage	–	–
22	VEE	–	Increases power supply voltage	–	–
23	HALL (+)	I	Hall element detected by rotation	–	–
24	HALL (–)	I	Hall element detected by rotation	–	–
25	COMP IN	I	Operation button signal	–	–
26	RMUM	I	"L"=Remote commander micro computer on. Output from remote commander when "H" (TC unit only)	H	L
27	BEEP	–	Beep pin	–	–
28	CE CTL	O	Not used in this unit.	–	–
29	CLAW(FWD)	I	"L"=With claw	H	L
30	LED (1)	O	"H"=Lights on	L	H
31	LED (2)	O	Not used.	L	H
32	AMP CTL	O	"H"=AMP ON	L	H
33	MUTE CTL	O	"L"=MUTE ON	L	L
34	RQT	O	Communication request to tuner microcomputer. "H"=REQUEST	L	H
35	N/R CTL	O	"H"=CUE and REVIEW, "L"=other than these.	L	H
36	AMS IN	I	Not used.	–	–
37	MODE	I	"L"=ENDLESS MODE	–	–
38	TAPE DET	I	"L"=with TAPE	H	L
39	VDD	–	1.5V power supply	–	–
40	CLAW(REV)	I	"L"=with claw	H	L
41	TC/CF	I	"L"=CF, "H"=TC	–	–
42	PB/REC	I	"L"=REC, "H"=PB	–	–
43	AUS/CUE•REVIEW	I	"L"=AMS, "H"=CUE, REVIEW	–	–
44	REC CTL	O	"H"=REC ON	L	H

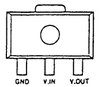
SECTION 6
DIAGRAMS

6-1. SEMICONDUCTOR LEAD LAYOUTS

MSM6576-30GS-K

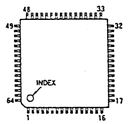


S-80718HN-UF

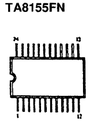


TA2015FN-EL

TA2032AF



TA8153FN
TA8155FN

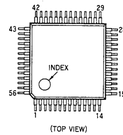


TA8182FN

TLP326ADB

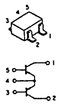
UN5114
UN5115
UN5210
UN5210-R
UN5215
2SB624-BV345
2SB1295-UL6
2SC4154-F
2SC4178-F13
2SD1048-X7
2SD1328-S
2SD1819A-R
2SD596DV345

µPD1724GB-656-1A7

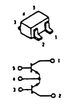


XC61AN0802MR

XN1115
XN1116
XN1401

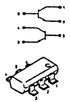


XN1210
XN1501
XN1504



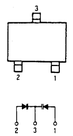
XN4315
XN4604
XN4601

XN4210
XN4501
XN4504

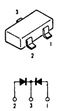


2SK209-G

KV1560



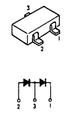
SVC203CP



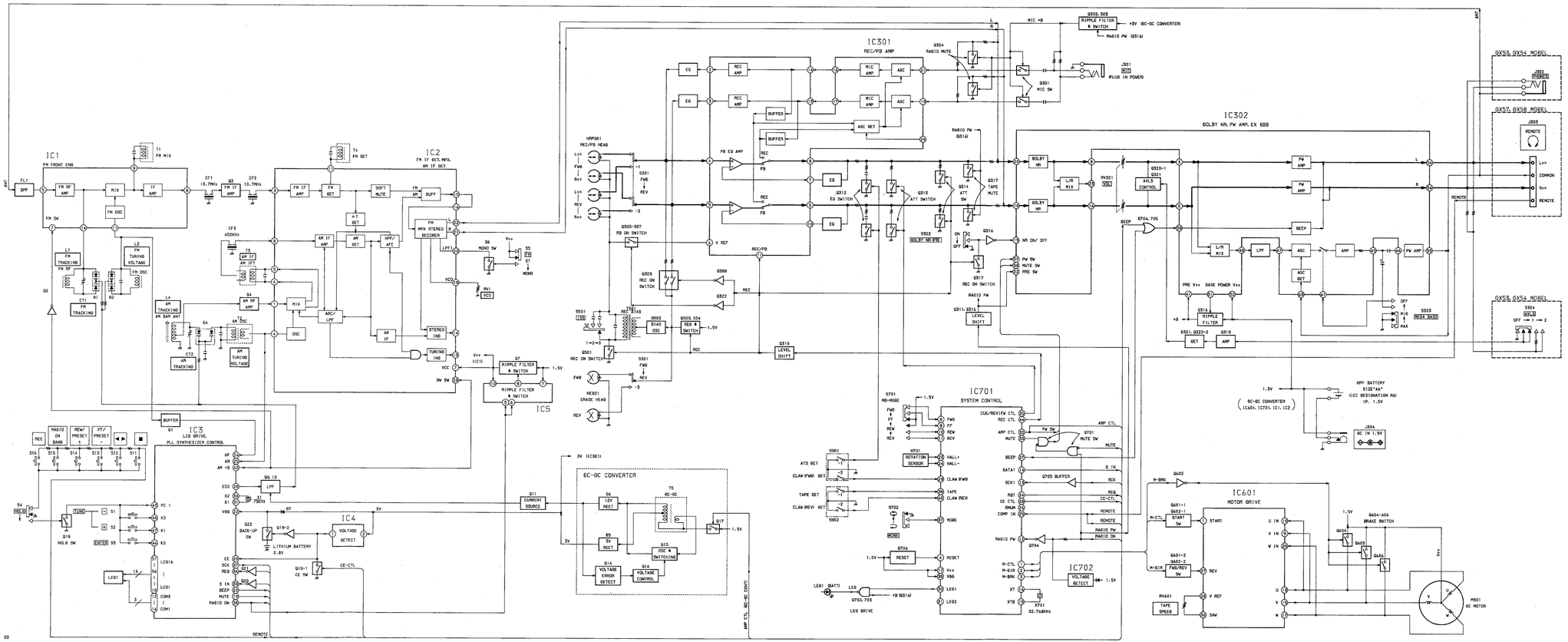
MA110
RD11SB2
RD5.1SB

MA729
MA8051

1SS226



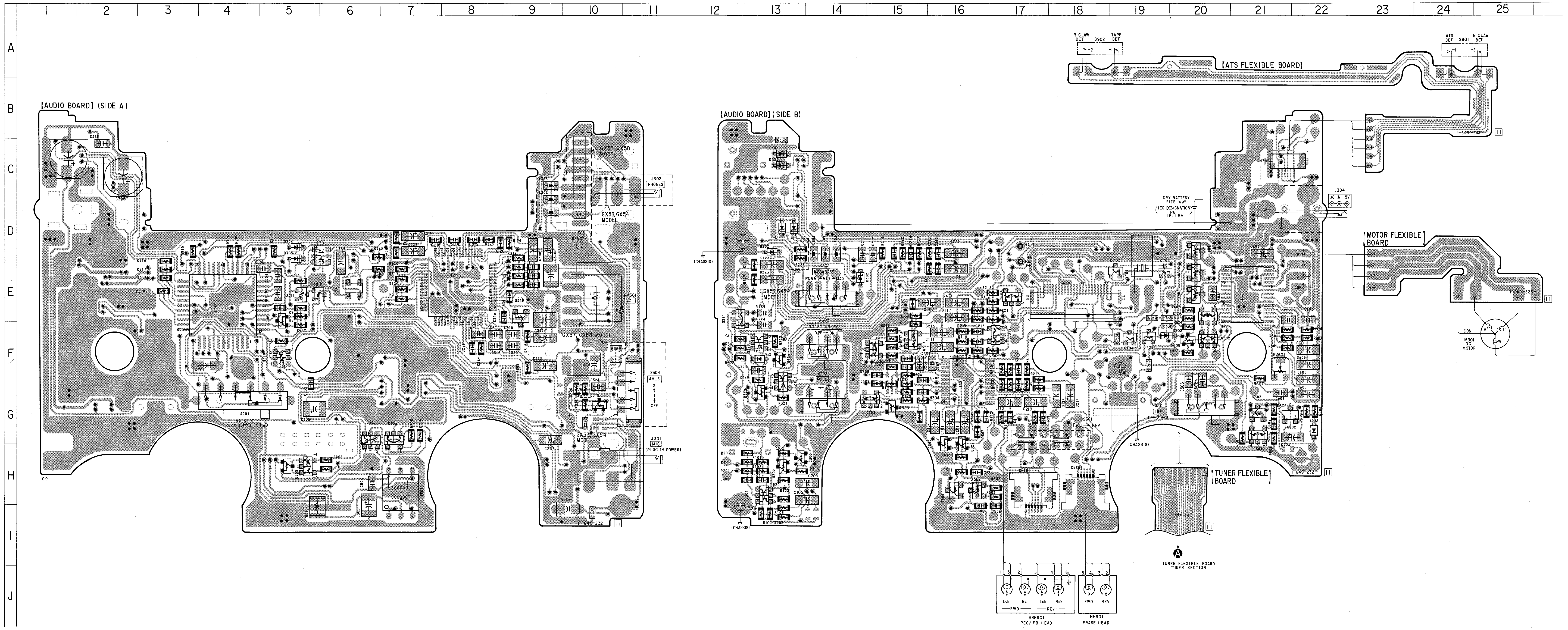
6-2. BLOCK DIAGRAM



6-3. PRINTED WIRING BOARD
- **AUDIO SECTION**
- **See page 14 for Semiconductor Lead Layouts.**

• Semiconductor Location

Ref. No.	Location	Ref. No.	Location
D101	D-14	Q603	F-20
D201	D-13	Q604	D-21
D202	D-13	Q605	E-20
D301	F-13	Q606	E-20
D302	E-15	Q701	D-6
D303	C-13	Q702	E-20
D304	C-13	Q703	E-19
D702	F-20	Q704	F-19
D703	G-22	Q705	F-5
D704	D-5	Q706	F-19
D705	D-5		
IC301	G-16		
IC302	E-8		
IC601	D-21		
IC701	E-4		
IC702	G-22		
Q301	I-13		
Q302	H-13		
Q303	H-14		
Q304	G-15		
Q305	G-6		
Q306	G-7		
Q307	H-16		
Q308	H-5		
Q309	H-5		
Q310	F-5		
Q311	E-5		
Q312	F-17		
Q313	E-17		
Q314	F-15		
Q315	E-6		
Q317	F-16		
Q318	E-9		
Q319	G-10		
Q320	F-13		
Q321	F-12		
Q322	H-17		
Q323	G-13		
Q324	F-14		
Q325	G-15		
Q501	I-16		
Q502	H-17		
Q503	G-21		
Q504	H-21		
Q601	F-21		
Q602	F-21		



Note:
- ○—— : parts extracted from the components side.
- ● : Through hole.
- ░░ : Pattern on the side which is seen.

【AUDIO BOARD】

IC302 TA2032AF

IC301 REC/PB AMP

IC701 SYSTEM CONTROL

IC702 VOLTAGE DET

IC601 MOTOR SERVO

GX53,GX54 MODEL

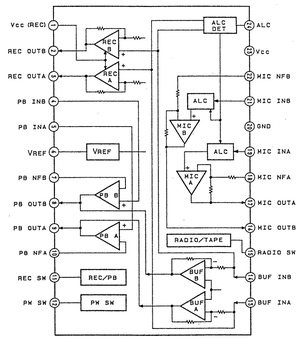
GX57,GX58 MODEL

【ATS FLEXIBLE BOARD】

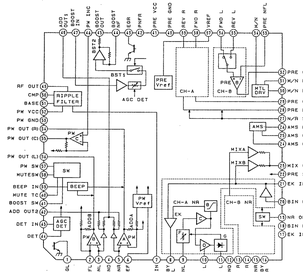
【MOTOR FLEXIBLE BOARD】

• IC BLOCK DIAGRAMS

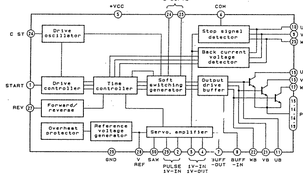
IC301 TA8155FN



IC302 TA2032AF



IC601 TLP326ADB



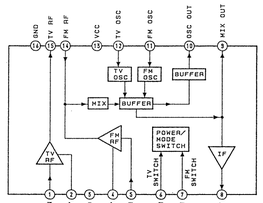
Note:

- All capacitors are in μF unless otherwise noted. pF:pμF
  50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4W or less unless otherwise specified.
- %: indicates tolerance.
- B+: B+ Line
- : adjustment for repair.
- Total current is measured with no cassette installed.
- Supply 1.5Vdc from the battery terminal as regulated power voltage.
- Voltage and waveforms are dc with respect to ground under no-signal conditions.
  no mark : PB
  ( ) : REC
- Voltages are taken with a VOM (Input impedance 10Ω).
  Voltage variations may be noted due to normal production tolerances.
- Signal path.
  ⇨ : FM
  ⇨ : PB
  ⇨ : REC
  ▷ : MIC

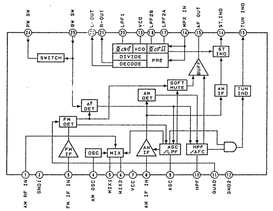
6-5. SCHEMATIC DIAGRAM
• TUNER SECTION

• IC BLOCK DIAGRAMS

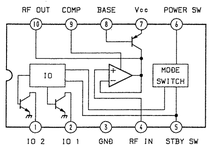
IC1 TA8182FN



IC2 TA8153FN

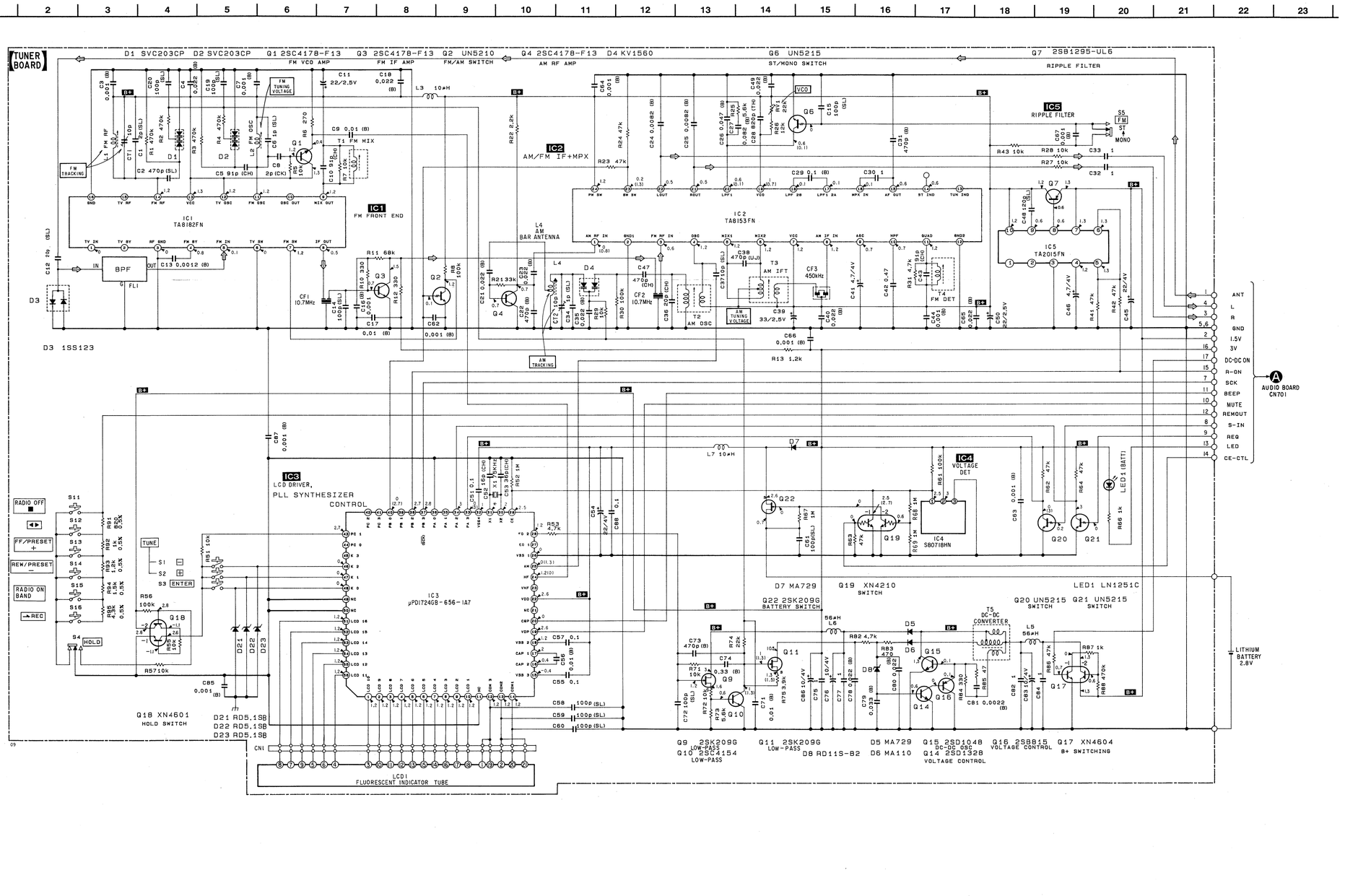


IC5 TA2015FN



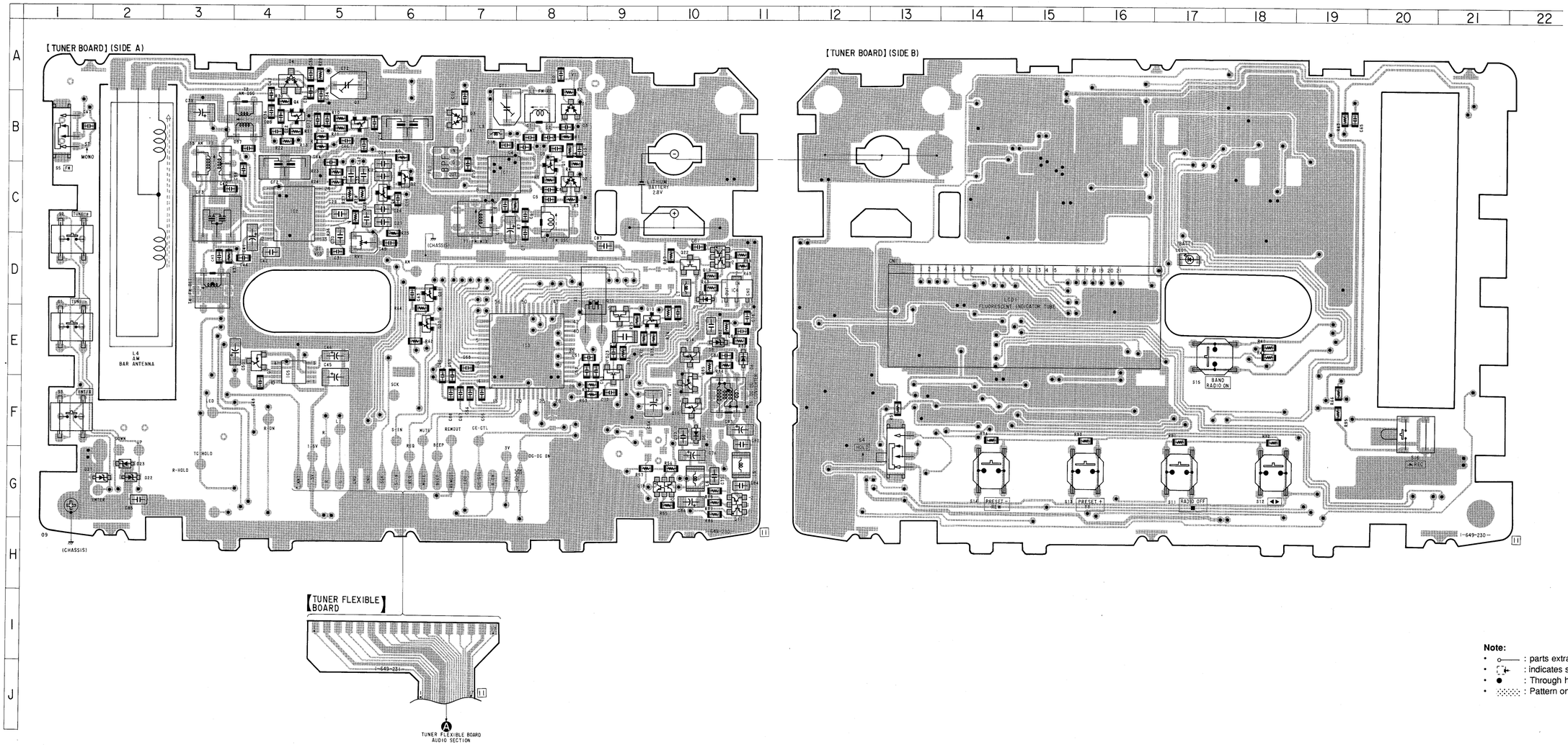
Note:

- All capacitors are in μF unless otherwise noted. pF:μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4W or less unless otherwise specified.
- % : indicates tolerance.
- B+ : B+ Line
- : adjustment for repair.
- Supply 1.5Vdc from the battery terminal as regulated power voltage.
- Voltage and waveforms are dc with respect to ground under no-signal conditions.
  no mark : FM
  ( ) : AM
- Voltages are taken with a VOM (Input impedance 10Ω). Voltage variations may be noted due to normal production tolerances.
- Signal path.
  ⇨ : FM



6-6. PRINTED WIRING BOARD

- **TUNER SECTION**
- **See page 14 for Semiconductor Lead Layouts.**



• Semiconductor Location

Ref. No.	Location
D1	B-9
D2	C-9
D3	B-7
D4	A-4
D5	F-10
D6	E-11
D7	E-10
D8	E-11
D21	G-2
D22	G-2
D23	G-2
IC1	C-7
IC2	C-4
IC3	E-8
IC4	D-11
IC5	F-4
LED1	D-17
Q1	C-8
Q2	C-6
Q3	B-5
Q4	B-4
Q6	C-6
Q7	F-4
Q9	F-9
Q10	E-10
Q11	E-9
Q14	E-10
Q15	F-10
Q16	F-10
Q17	H-11
Q18	G-10
Q19	D-10
Q20	E-7
Q21	D-7
Q22	D-10

Note:

- ○—— : parts extracted from the conductor side.
- ⬚ : indicates side identified with part number.
- ● : Through hole.
- ⁙ : Pattern on the side which is seen.

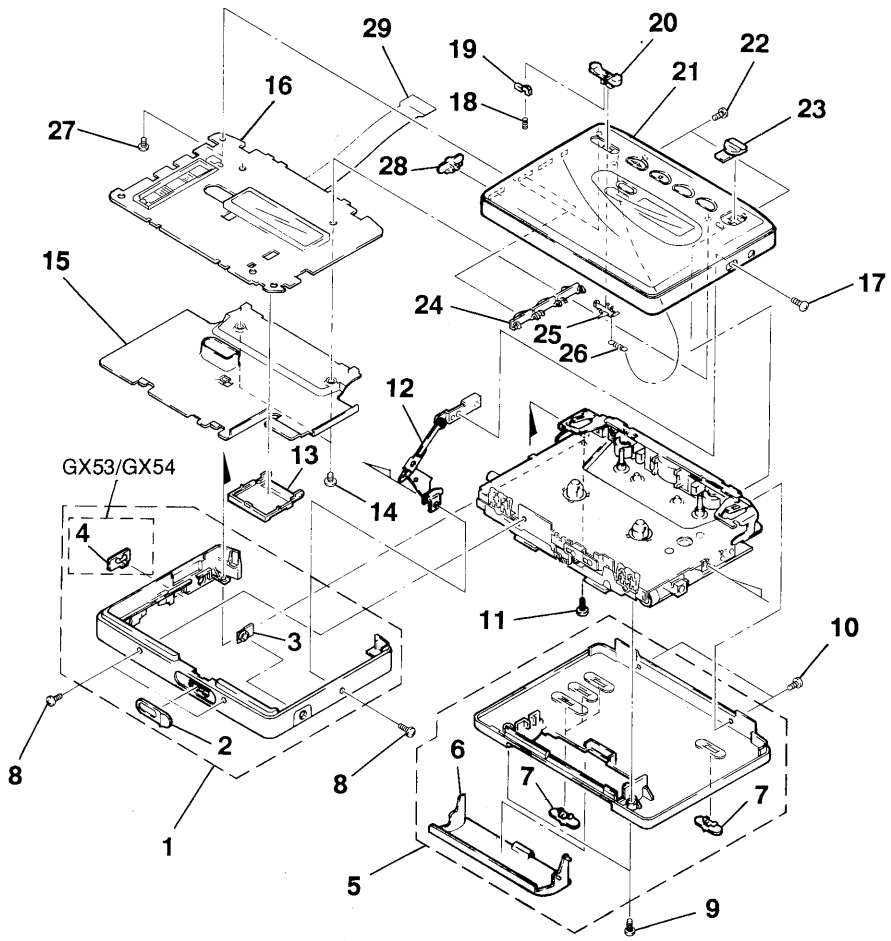
SECTION 7
EXPLODED VIEWS

NOTE:

- -XX, -X mean standardized parts, so they may have some difference from the original one.
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (# mark) list is given in the last of this parts list.

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

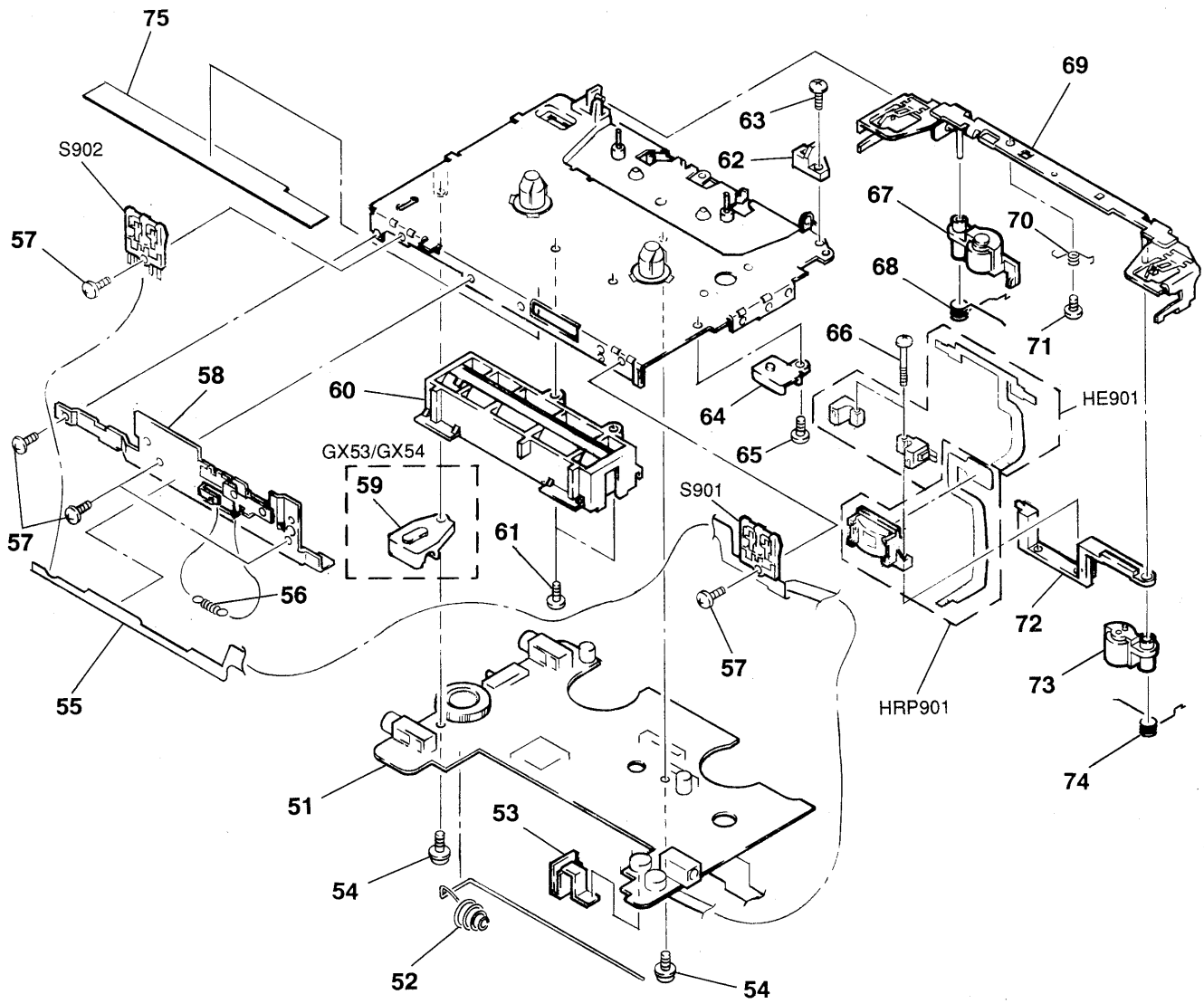
7-1. ORNAMENT BLOCK



Ref. No.	Part No.	Description	Remark
1	X-3366-949-1	ORNAMENT ASSY (REC-1), REEL (GX53/GX54)	
1	X-3366-950-1	ORNAMENT ASSY (REC-2), REEL (GX57/GX58)	
2	3-904-629-01	KNOB (OPEN)	
3	3-904-622-01	SPACER (DCIN-J)	
4	3-904-630-01	KNOB (AVLS) (GX53/GX54)	
5	X-3366-945-1	CASE ASSY (GX58)	
5	X-3366-946-1	CASE ASSY (GX57)	
5	X-3366-947-1	CASE ASSY (GX54)	
5	X-3366-948-1	CASE ASSY (GX53)	
6	3-904-664-01	LID, BATTERY CASE (GX53/GX54)	
6	3-904-664-21	LID, BATTERY CASE (GX57/GX58)	
7	3-904-655-01	KNOB (MB)	
8	3-704-197-53	SCREW (M1.4X3.5), LOCKING	
9	3-704-197-73	SCREW (M1.4X4.5), LOCKING	
10	3-704-197-13	SCREW (M1.4X2.0), LOCKING	
11	3-335-797-81	SCREW (M1.4X5), TOOTHED LOCK	
12	X-3366-557-1	ARM ASSY, CLICK	
13	3-382-097-01	LID (RADIO), BATTERY CASE	
14	3-375-114-21	SCREW (M1.7X2.5)	

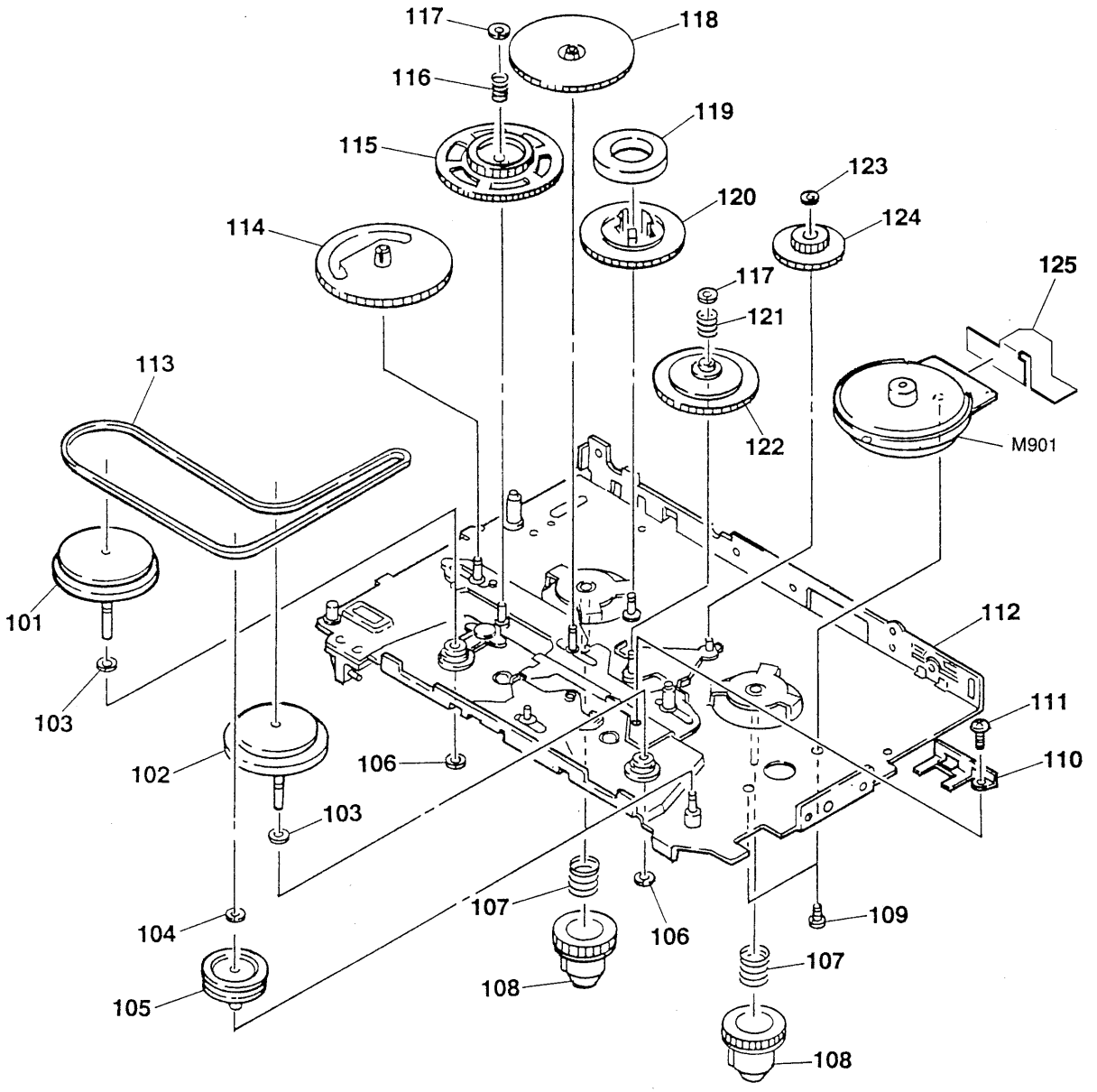
Ref. No.	Part No.	Description	Remark
15	X-3366-952-1	COVER ASSY (E)	
16	A-3016-442-A	TUNER BOARD, COMPLETE	
17	3-704-197-03	SCREW (M1.4X1.6), LOCKING	
18	3-377-256-01	SPRING, COMPRESSION	
19	3-904-624-01	BUTTON (REC)	
20	3-904-637-01	KNOB (REC)	
21	X-3366-953-1	LID ASSY (REC1), CASSETTE (GX53)	
21	X-3366-955-1	LID ASSY (REC3), CASSETTE (GX54)	
21	X-3366-956-1	LID ASSY (REC4), CASSETTE (GX58)	
21	X-3366-954-1	LID ASSY (REC2), CASSETTE (GX57)	
22	3-365-630-31	SCREW (M1.4)	
23	3-904-631-01	KNOB (HOLD)	
24	3-904-635-01	BUTTON (UP/DOWN/ENTER)	
25	3-904-625-01	HOLDER (REC BUTTON)	
26	3-377-274-01	SPRING, TENSION	
27	3-389-523-08	SCREW (LOCK ACE)	
28	3-904-636-01	KNOB (M/S)	
29	1-649-231-11	TUNER FLEXIBLE BOARD	

7-2. MAIN BOARDS BLOCK



Ref. No.	Part No.	Description	Remark
51	A-3016-443-A	AUDIO BOARD, COMPLETE (GX53/GX54)	
51	A-3016-446-A	AUDIO BOARD, COMPLETE (GX57/GX58)	
52	3-904-649-01	SPRING, BATTERY COIL	
53	3-904-663-01	TERMINAL BOARD (PLUS), BATTERY	
54	3-335-797-01	SCREW (M1.4X2), TOOTHED LOCK	
55	1-649-233-11	ATS FLEXIBLE BOARD	
56	3-904-628-01	SPRING, TENSION	
57	3-704-197-01	SCREW (M1.4X1.6), LOCKING	
58	X-3366-951-1	BRACKET ASSY	
59	3-904-638-01	STOPPER (MINIATURE ST)(GX53/GX54)	
60	3-904-662-01	HOLDER (BATTERY)	
61	3-704-197-33	SCREW (M1.4X3.0), LOCKING	
62	3-386-704-01	GUIDE (B), HOLDER	
63	3-704-197-21	SCREW (M1.4X2.5), LOCKING	
64	3-904-640-01	STOPPER (DC-IN)	
65	3-704-197-13	SCREW (M1.4X2.0), LOCKING	
66	3-389-448-01	SCREW (M1.4), STEP	
67	X-3366-298-1	PINCH LEVER (N) ASSY	
68	3-386-684-02	SPRING (PINCH N)	
69	X-3367-003-1	HOLDER ASSY (CF)	
70	3-386-683-01	SPRING (H)	
71	7-627-553-17	PRECISION SCREW +P 2X2 TYPE 3	
* 72	3-386-646-01	LEVER, HEAD	
73	X-3366-296-1	PINCH LEVER (R) ASSY	
74	3-386-685-02	SPRING (PINCH R)	
75	3-904-651-01	SHEET, INSULATING	
HE901	1-500-059-11	HEAD, MAGNETIC (ERASE)	
HRP901	1-500-060-11	HEAD, MAGNETIC (RECORD/PLAYBACK)	
S901	1-692-100-11	SWITCH, LEAF (ATS/N CLAW DET)	
S902	1-692-101-11	SWITCH, LEAF (TAPE/R CLAW DET)	

7-3. MECHANISM BLOCK (MT-WMRX707-60)



Ref. No.	Part No.	Description	Remark
101	X-3366-294-1	WHEEL (N) ASSY, CAPSTAN	
102	X-3366-297-1	WHEEL (R) ASSY, CAPSTAN	
103	3-386-694-01	WASHER	
104	3-338-645-21	WASHER (0.8-2.5)	
105	3-386-711-01	PULLEY (REVERSE)	
106	3-325-394-01	WASHER, STOPPER	
107	3-386-662-01	SPRING, COMPRESSION	
108	3-386-634-01	GEAR (REEL)	
109	3-906-045-01	SCREW	
* 110	3-906-049-01	LEVER (REC), SELECTION	
111	3-366-892-01	SCREW (M1.4X1.1)	
112	X-3366-295-4	CHASSIS ASSY	
113	3-388-079-01	BELT	
114	3-386-852-01	GEAR (CAM)	
115	3-386-631-01	GEAR (A)	
116	3-904-228-01	SPRING, COMPRESSION	
117	3-906-183-01	WASHER	
118	3-386-691-01	GEAR (B)	
119	3-386-706-01	MAGNET	
120	3-386-633-01	GEAR (E)	
121	3-904-227-01	SPRING, COMPRESSION	
122	X-3366-293-1	CLUTCH ASSY	
123	3-338-645-31	WASHER (0.8-2.5)	
124	3-386-632-03	GEAR (D)	
125	1-649-228-11	MOTOR FLEXIBLE BOARD	
M901	1-698-084-11	MOTOR	

ATS FLEXIBLE

AUDIO

SECTION 8
ELECTRICAL PARTS LIST

NOTE:

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

When indicating parts by reference number, please include the board name.

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX, -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
  All resistors are in ohms
  METAL: Metal-film resistor
  METAL OXIDE: Metal Oxide-film resistor
  F : nonflammable
- Color Indication of Appearance Parts Example:
  KNOB, BALANCE (WHITE) . . . (RED)
  ↑ Parts color ↑ Cabinet's color
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
  In each case, u: μ , for example:
  uA...: μA..., uPA...: μPA...,
  uPB...: μPB..., uPC...: μPC...,
  uPD...: μPD...
- CAPACITORS
  uF : μF
- COILS
  uH : μH
- Hardware (# mark) list is given in the last of this parts list.

Ref.No.	Part No.	Description			Remark
	1-649-233-11	ATS FLEXIBLE BOARD			
		**********			
		< SWITCH >			
S901	1-692-100-11	SWITCH, LEAF (ATS/N CLAW DET)			
S902	1-692-101-11	SWITCH, LEAF (TAPE/R CLAW DET)			
**********					
	A-3016-443-A	AUDIO BOARD, COMPLETE (GX53, GX54)			
		**********			
	A-3016-446-A	AUDIO BOARD, COMPLETE (GX57, GX58)			
		**********			
		< CAPACITOR >			
C102	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C104	1-135-151-21	TANTALUM CHIP	4.7uF	20%	4V
C105	1-135-191-21	TANTALUM CHIP	0.22uF	10%	20V
C106	1-164-346-11	CERAMIC CHIP	1uF		16V
C107	1-162-967-11	CERAMIC CHIP	0.0033uF	10%	50V
C108	1-164-361-11	CERAMIC CHIP	0.047uF	20%	16V
C109	1-164-361-11	CERAMIC CHIP	0.047uF	20%	16V
C110	1-135-151-21	TANTALUM CHIP	4.7uF	20%	4V
C111	1-162-979-11	CERAMIC CHIP	0.0027uF	10%	50V
C112	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C113	1-164-172-11	CERAMIC CHIP	0.0056uF	5%	25V
C114	1-135-316-11	TANTAL. CHIP	22uF	20%	2.5V
C115	1-162-969-11	CERAMIC CHIP	0.0068uF	10%	25V
C116	1-135-149-21	TANTALUM CHIP	2.2uF	20%	10V
C117	1-135-149-21	TANTALUM CHIP	2.2uF	20%	10V
C118	1-162-967-11	CERAMIC CHIP	0.0033uF	10%	50V
C119	1-164-174-11	CERAMIC CHIP	0.0082uF	10%	25V
C120	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C121	1-135-091-00	TANTALUM CHIP	1uF	20%	16V
C122	1-135-145-11	TANTALUM CHIP	0.47uF	10%	35V
C123	1-135-151-21	TANTALUM CHIP	4.7uF	20%	4V
C124	1-164-346-11	CERAMIC CHIP	1uF		16V
C125	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C126	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C127	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C202	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C204	1-135-151-21	TANTALUM CHIP	4.7uF	20%	4V
C205	1-135-191-21	TANTALUM CHIP	0.22uF	10%	20V
C206	1-164-346-11	CERAMIC CHIP	1uF		16V
C207	1-162-967-11	CERAMIC CHIP	0.0033uF	10%	50V
C208	1-164-361-11	CERAMIC CHIP	0.047uF	20%	16V
C209	1-164-361-11	CERAMIC CHIP	0.047uF	20%	16V
C210	1-135-151-21	TANTALUM CHIP	4.7uF	20%	4V
C211	1-162-979-11	CERAMIC CHIP	0.0027uF	10%	50V
C212	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C213	1-164-172-11	CERAMIC CHIP	0.0056uF	5%	25V
C214	1-135-316-11	TANTAL. CHIP	22uF	20%	2.5V
C215	1-162-969-11	CERAMIC CHIP	0.0068uF	10%	25V
C216	1-135-149-21	TANTALUM CHIP	2.2uF	20%	10V
C217	1-135-149-21	TANTALUM CHIP	2.2uF	20%	10V
C218	1-162-967-11	CERAMIC CHIP	0.0033uF	10%	50V
C219	1-164-174-11	CERAMIC CHIP	0.0082uF	10%	25V
C220	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C221	1-135-091-00	TANTALUM CHIP	1uF	20%	16V
C222	1-135-145-11	TANTALUM CHIP	0.47uF	10%	35V
C223	1-135-151-21	TANTALUM CHIP	4.7uF	20%	4V
C224	1-164-346-11	CERAMIC CHIP	1uF		16V
C225	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C226	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C227	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C301	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C302	1-126-607-11	ELECT CHIP	47uF	20%	4V
C303	1-128-014-11	ELECT CHIP	10uF	0	4V
C304	1-135-170-21	TANTALUM CHIP	6.8uF	20%	4V
C305	1-135-202-21	TANTAL. CHIP	22uF	20%	4V
C306	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C307	1-135-316-11	TANTAL. CHIP	22uF	20%	2.5V
C308	1-135-151-21	TANTALUM CHIP	4.7uF	20%	4V
C309	1-135-202-21	TANTAL. CHIP	22uF	20%	4V
C310	1-135-151-21	TANTALUM CHIP	4.7uF	20%	4V
C311	1-164-346-11	CERAMIC CHIP	1uF		16V
C312	1-164-346-11	CERAMIC CHIP	1uF		16V
C313	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C315	1-135-202-21	TANTAL. CHIP	22uF	20%	4V
C316	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C317	1-135-201-11	TANTALUM CHIP	10uF	20%	4V
C318	1-164-346-11	CERAMIC CHIP	1uF		16V
C319	1-164-700-11	CERAMIC CHIP	0.68uF		16V
C320	1-164-346-11	CERAMIC CHIP	1uF		16V

AUDIO

Ref. No.	Part No.	Description			Remark
C321	1-164-346-11	CERAMIC CHIP	1uF		16V
C322	1-164-700-11	CERAMIC CHIP	0.68uF		16V
C323	1-135-151-21	TANTALUM CHIP	4.7uF	20%	4V
C324	1-164-005-11	CERAMIC CHIP	0.47uF		25V
C325	1-126-246-11	ELECT CHIP	220uF	20%	4V
C326	1-162-953-11	CERAMIC CHIP	100PF	5%	50V
C327	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C328	1-163-031-11	CERAMIC CHIP	0.01uF		50V
C329	1-163-809-11	CERAMIC CHIP	0.047uF	10%	25V
C330	1-128-015-11	ELECT CHIP	22uF	0	4V
C331	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C332	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C333	1-162-953-11	CERAMIC CHIP	100PF	5%	50V
C334	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C335	1-135-201-11	TANTALUM CHIP	10uF	20%	4V
C502	1-163-127-00	CERAMIC CHIP	270PF	5%	50V
C503	1-163-133-00	CERAMIC CHIP	470PF	5%	50V
C504	1-164-695-11	CERAMIC CHIP	0.0022uF	5%	50V
C505	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C506	1-164-172-11	CERAMIC CHIP	0.0056uF	5%	25V
C507	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C508	1-135-202-21	TANTAL. CHIP	22uF	20%	4V
C509	1-126-246-11	ELECT CHIP	220uF	20%	4V
C601	1-135-091-91	TANTAL. CHIP	1uF	20%	16V
C602	1-164-344-11	CERAMIC CHIP	0.068uF	10%	25V
C603	1-164-344-11	CERAMIC CHIP	0.068uF	10%	25V
C604	1-164-492-11	CERAMIC CHIP	0.15uF	10%	16V
C605	1-135-091-91	TANTAL. CHIP	1uF	20%	16V
C606	1-163-809-11	CERAMIC CHIP	0.047uF	10%	25V
C607	1-135-145-11	TANTAL. CHIP	0.47uF	20%	25V
C608	1-135-091-91	TANTAL. CHIP	1uF	20%	16V
C609	1-135-201-11	TANTALUM CHIP	10uF	20%	4V
C701	1-126-604-11	ELECT	10uF	20%	16V
C703	1-164-005-11	CERAMIC CHIP	0.47uF		25V
C704	1-164-005-11	CERAMIC CHIP	0.47uF		25V
C705	1-164-346-11	CERAMIC CHIP	1uF		16V
C706	1-135-149-21	TANTALUM CHIP	2.2uF	20%	10V
C707	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
C708	1-164-156-11	CERAMIC CHIP	0.1uF		25V
		< CONNECTOR >			
* CN301	1-764-051-11	CONNECTOR, FPC 6P			
* CN501	1-764-051-11	CONNECTOR, FPC 6P			
* CN701	1-750-343-11	CONNECTOR, FFC/EPC (ZIF) 22P			
* CN702	1-764-263-21	CONNECTOR, FPC 6P			
		< DIODE >			
D101	8-719-422-37	DIODE	MA8051		
D201	8-719-422-37	DIODE	MA8051		
D202	8-719-422-37	DIODE	MA8051		

Ref. No.	Part No.	Description		Remark
D301	8-719-420-51	DIODE	MA729	
D302	8-719-422-37	DIODE	MA8051	
D303	8-719-422-37	DIODE	MA8051	
D304	8-719-422-37	DIODE	MA8051	
D702	8-719-420-51	DIODE	MA729	
D703	8-719-420-51	DIODE	MA729	
D704	8-719-420-51	DIODE	MA729	
D705	8-719-420-51	DIODE	MA729	
		< HALL ELEMENT >		
H701	8-759-084-18	HALL ELEMENT	SHS220-IJ	
		< IC >		
IC301	8-759-062-63	IC	TA8155FN	
IC302	8-759-155-37	IC	TA2032AF	
IC601	8-759-996-13	IC	TLP326ADB	
IC701	8-759-181-64	IC	MSM6576-30GS-K	
IC702	8-759-186-89	IC	XC61AN0802MR	
		< JACK >		
J301	1-565-436-51	JACK (MIC)		
J302	1-565-436-11	JACK (PHONES) (GX53, GX54)		
J303	1-573-794-21	JACK (REMOTE) (GX57, GX58)		
J304	1-750-061-11	JACK, DC (POLARITY UNIFIED TYPE)		(DC IN 1.5V)
		< COIL >		
L101	1-412-005-11	INDUCTOR CHIP	8.2uH	
L201	1-412-005-11	INDUCTOR CHIP	8.2uH	
L301	1-410-997-31	INDUCTOR CHIP	2.2uH	(GX57, GX58)
L302	1-410-997-31	INDUCTOR CHIP	2.2uH	(GX57, GX58)
L303	1-410-997-31	INDUCTOR CHIP	2.2uH	(GX57, GX58)
L304	1-410-997-31	INDUCTOR CHIP	2.2uH	
L501	1-412-148-11	INDUCTOR CHIP	56uH	
		< TRANSISTOR >		
Q301	8-729-402-81	TRANSISTOR	XN4501	
Q302	8-729-402-32	TRANSISTOR	2SD1819A-R	
Q303	8-729-420-50	TRANSISTOR	UN5215	
Q304	8-729-403-17	TRANSISTOR	XN1215	
Q305	8-729-425-18	TRANSISTOR	XN4504	
Q306	8-729-423-75	TRANSISTOR	XN1116	
Q307	8-729-402-32	TRANSISTOR	2SD1819A-R	
Q308	8-729-420-50	TRANSISTOR	UN5215	
Q309	8-729-423-75	TRANSISTOR	XN1116	
Q310	8-729-422-18	TRANSISTOR	XN4315	
Q311	8-729-420-44	TRANSISTOR	UN5210	
Q312	8-729-403-17	TRANSISTOR	XN1215	
Q313	8-729-022-66	TRANSISTOR	XN1210	
Q314	8-729-403-17	TRANSISTOR	XN1215	

Ref.No.	Part No.	Description		Remark
Q315	8-729-402-96	TRANSISTOR	UN5114	
Q316	8-729-422-18	TRANSISTOR	XN4315	
Q317	8-729-020-92	TRANSISTOR	XN1504	
Q318	8-729-807-87	TRANSISTOR	2SB1295-UL6	
Q319	8-729-402-32	TRANSISTOR	2SD1819A-R	
Q320	8-729-425-25	TRANSISTOR	XN4604	
Q321	8-729-403-42	TRANSISTOR	XN1401	
Q322	8-729-420-50	TRANSISTOR	UN5215	
Q323	8-729-420-44	TRANSISTOR	UN5210	
Q324	8-729-420-44	TRANSISTOR	UN5210	
Q325	8-729-420-44	TRANSISTOR	UN5210	
Q501	8-729-141-75	TRANSISTOR	2SD596DV345	
Q502	8-729-141-75	TRANSISTOR	2SD596DV345	
Q503	8-729-141-48	TRANSISTOR	2SB624-BV345	
Q504	8-729-402-13	TRANSISTOR	XN1501	
Q601	8-729-403-45	TRANSISTOR	XN1115	
Q602	8-729-403-17	TRANSISTOR	XN1215	
Q603	8-729-402-32	TRANSISTOR	2SD1819A-R	
Q604	8-729-141-48	TRANSISTOR	2SB624-BV345	
Q605	8-729-141-48	TRANSISTOR	2SB624-BV345	
Q606	8-729-141-48	TRANSISTOR	2SB624-BV345	
Q701	8-729-403-24	TRANSISTOR	XN4210	
Q702	8-729-420-50	TRANSISTOR	UN5215	
Q703	8-729-420-50	TRANSISTOR	UN5215	
Q704	8-729-420-50	TRANSISTOR	UN5215	
Q705	8-729-420-50	TRANSISTOR	UN5215	
Q706	8-729-420-53	TRANSISTOR	UN5115	
		< RESISTOR >		
R101	1-216-815-11	METAL CHIP	330 5% 1/16W	
R102	1-216-831-11	METAL CHIP	6.8K 5% 1/16W	
R103	1-216-843-11	METAL CHIP	68K 5% 1/16W	
R104	1-216-827-11	METAL CHIP	3.3K 5% 1/16W	
R105	1-216-821-11	METAL CHIP	1K 5% 1/16W	
R106	1-216-839-11	METAL CHIP	33K 5% 1/16W	
R107	1-216-841-11	METAL CHIP	47K 5% 1/16W	
R108	1-216-834-11	METAL CHIP	12K 5% 1/16W	
R109	1-216-837-11	METAL CHIP	22K 5% 1/16W	
R110	1-216-854-11	METAL CHIP	560K 5% 1/16W	
R111	1-216-838-11	METAL CHIP	27K 5% 1/16W	
R112	1-216-838-11	METAL CHIP	27K 5% 1/16W	
R113	1-218-289-11	METAL CHIP	510 5% 1/16W	
R114	1-216-833-11	METAL CHIP	10K 5% 1/16W	
R115	1-218-344-11	METAL GLAZE	7.5K 5% 1/16W	
R116	1-216-817-11	METAL CHIP	470 5% 1/16W	
R117	1-216-837-11	METAL CHIP	22K 5% 1/16W	
R118	1-216-821-11	METAL CHIP	1K 5% 1/16W	
R119	1-216-839-11	METAL CHIP	33K 5% 1/16W	
R120	1-216-839-11	METAL CHIP	33K 5% 1/16W	
R121	1-216-843-11	METAL CHIP	68K 5% 1/16W	
R122	1-216-822-11	METAL CHIP	1.2K 5% 1/16W	
R123	1-216-994-11	METAL GLAZE	13K 5% 1/16W	
R124	1-218-271-11	METAL GLAZE	2K 5% 1/16W	
R125	1-216-852-11	METAL CHIP	390K 5% 1/16W	
R126	1-216-793-11	METAL GLAZE	4.7 5% 1/16W	
R127	1-216-822-11	METAL CHIP	1.2K 5% 1/16W	
R128	1-216-821-11	METAL CHIP	1K 5% 1/16W	(GX53, GX54)
R129	1-216-845-11	METAL CHIP	100K 5% 1/16W	
R130	1-216-849-11	METAL CHIP	220K 5% 1/16W	
R201	1-216-815-11	METAL CHIP	330 5% 1/16W	
R202	1-216-831-11	METAL CHIP	6.8K 5% 1/16W	
R203	1-216-843-11	METAL CHIP	68K 5% 1/16W	
R204	1-216-827-11	METAL CHIP	3.3K 5% 1/16W	
R205	1-216-821-11	METAL CHIP	1K 5% 1/16W	
R206	1-216-839-11	METAL CHIP	33K 5% 1/16W	
R207	1-216-841-11	METAL CHIP	47K 5% 1/16W	
R208	1-216-834-11	METAL CHIP	12K 5% 1/16W	
R209	1-216-837-11	METAL CHIP	22K 5% 1/16W	
R210	1-216-854-11	METAL CHIP	560K 5% 1/16W	
R211	1-216-838-11	METAL CHIP	27K 5% 1/16W	
R212	1-216-838-11	METAL CHIP	27K 5% 1/16W	
R213	1-218-289-11	METAL CHIP	510 5% 1/16W	
R214	1-216-833-11	METAL CHIP	10K 5% 1/16W	
R215	1-218-344-11	METAL GLAZE	7.5K 5% 1/16W	
R216	1-216-817-11	METAL CHIP	470 5% 1/16W	
R217	1-216-837-11	METAL CHIP	22K 5% 1/16W	
R218	1-216-821-11	METAL CHIP	1K 5% 1/16W	
R219	1-216-839-11	METAL CHIP	33K 5% 1/16W	
R220	1-216-839-11	METAL CHIP	33K 5% 1/16W	
R221	1-216-843-11	METAL CHIP	68K 5% 1/16W	
R222	1-216-822-11	METAL CHIP	1.2K 5% 1/16W	
R223	1-216-994-11	METAL GLAZE	13K 5% 1/16W	
R224	1-218-271-11	METAL GLAZE	2K 5% 1/16W	
R225	1-216-852-11	METAL CHIP	390K 5% 1/16W	
R226	1-216-793-11	METAL GLAZE	4.7 5% 1/16W	
R227	1-216-822-11	METAL CHIP	1.2K 5% 1/16W	
R228	1-216-821-11	METAL CHIP	1K 5% 1/16W	(GX53, GX54)
R229	1-216-845-11	METAL CHIP	100K 5% 1/16W	
R230	1-216-849-11	METAL CHIP	220K 5% 1/16W	
R301	1-216-817-11	METAL CHIP	470 5% 1/16W	
R302	1-216-841-11	METAL CHIP	47K 5% 1/16W	
R303	1-216-821-11	METAL CHIP	1K 5% 1/16W	
R304	1-216-848-11	METAL CHIP	180K 5% 1/16W	
R305	1-216-832-11	METAL CHIP	8.2K 5% 1/16W	
R306	1-216-832-11	METAL CHIP	8.2K 5% 1/16W	
R307	1-216-833-11	METAL CHIP	10K 5% 1/16W	
R308	1-216-839-11	METAL CHIP	33K 5% 1/16W	
R309	1-218-271-11	METAL GLAZE	2K 5% 1/16W	

AUDIO | MOTOR FLEXIBLE | TUNER

Ref.No.	Part No.	Description				Remark
R310	1-216-841-11	METAL CHIP	47K	5%	1/16W	
R311	1-218-292-11	METAL GLAZE	20K	5%	1/16W	
R312	1-216-849-11	METAL CHIP	220K	5%	1/16W	
R313	1-216-848-11	METAL CHIP	180K	5%	1/16W	
R314	1-216-793-11	METAL GLAZE	4.7	5%	1/16W	
R315	1-216-845-11	METAL CHIP	100K	5%	1/16W	
R316	1-216-809-11	METAL CHIP	100	5%	1/16W	
R317	1-216-809-11	METAL CHIP	100	5%	1/16W	
R318	1-216-839-11	METAL CHIP	33K	5%	1/16W	(GX53, GX54)
R319	1-216-849-11	METAL CHIP	220K	5%	1/16W	(GX53, GX54)
R320	1-216-809-11	METAL CHIP	100	5%	1/16W	
R321	1-216-849-11	METAL CHIP	220K	5%	1/16W	
R322	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R323	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R324	1-216-845-11	METAL CHIP	100K	5%	1/16W	
R325	1-216-841-11	METAL CHIP	47K	5%	1/16W	
R326	1-216-845-11	METAL CHIP	100K	5%	1/16W	
R328	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R329	1-216-854-11	METAL CHIP	560K	5%	1/16W	(GX57, GX58)
R501	1-216-825-11	METAL CHIP	2.2K	5%	1/16W	
R502	1-216-789-11	METAL CHIP	2.2	5%	1/16W	
R503	1-216-827-11	METAL CHIP	3.3K	5%	1/16W	
R504	1-216-841-11	METAL CHIP	47K	5%	1/16W	
R505	1-216-839-11	METAL CHIP	33K	5%	1/16W	
R506	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R601	1-216-845-11	METAL CHIP	100K	5%	1/16W	
R602	1-216-835-11	METAL CHIP	15K	5%	1/16W	
R603	1-216-821-11	METAL CHIP	1K	5%	1/16W	
R604	1-216-809-11	METAL CHIP	100	5%	1/16W	
R605	1-216-809-11	METAL CHIP	100	5%	1/16W	
R606	1-216-809-11	METAL CHIP	100	5%	1/16W	
R607	1-216-831-11	METAL CHIP	6.8K	5%	1/16W	
R608	1-216-793-11	METAL GLAZE	4.7	5%	1/16W	
R609	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R610	1-216-839-11	METAL CHIP	33K	5%	1/16W	
R701	1-216-854-11	METAL CHIP	560K	5%	1/16W	
R703	1-216-845-11	METAL CHIP	100K	5%	1/16W	
R704	1-216-851-11	METAL CHIP	330K	5%	1/16W	
R705	1-218-345-11	METAL CHIP	9.1K	0.50%	1/16W	
R706	1-216-815-11	METAL CHIP	330	5%	1/16W	
R707	1-218-269-11	METAL CHIP	360	0.50%	1/16W	
R708	1-218-740-11	METAL CHIP	100K	0.50%	1/16W	
R709	1-218-722-11	METAL CHIP	18K	0.50%	1/16W	
R710	1-216-839-11	METAL CHIP	33K	5%	1/16W	
R711	1-216-845-11	METAL CHIP	100K	5%	1/16W	
R712	1-216-845-11	METAL CHIP	100K	5%	1/16W	
R713	1-216-841-11	METAL CHIP	47K	5%	1/16W	
R714	1-218-345-11	METAL GLAZE	9.1K	5%	1/16W	
R715	1-216-833-11	METAL CHIP	10K	5%	1/16W	
R716	1-216-851-11	METAL CHIP	330K	5%	1/16W	
R717	1-216-851-11	METAL CHIP	330K	5%	1/16W	
R718	1-216-851-11	METAL CHIP	330K	5%	1/16W	
R719	1-216-851-11	METAL CHIP	330K	5%	1/16W	
R720	1-216-841-11	METAL CHIP	47K	5%	1/16W	
		< VARIABLE RESISTOR >				
RV301	1-223-470-11	RES, VAR, CARBON 10K/10K (VOL)				
RV601	1-241-394-11	RES, ADJ, METAL GLAZE 4.7K				
		< SWITCH >				
S301	1-692-589-11	SWITCH, SLIDE (FWD/REV)				
S302	1-572-922-21	SWITCH, SLIDE (DOLBY NR (PB))				
S303	1-692-605-11	SWITCH, SLIDE (MEGABASS)				
S304	1-692-605-11	SWITCH, SLIDE (AVLS) (GX53, GX54)				
S501	1-692-605-11	SWITCH, SLIDE (ISS)				
S701	1-692-370-11	SWITCH, SLIDE (MD MODE)				
S702	1-572-922-21	SWITCH, SLIDE (MODE)				
		< TRANSFORMER >				
T501	1-423-744-11	TRANSFORMER, BIAS OSCILLATION				
		< VIBRATOR >				
X701	1-579-616-11	VIBRATOR, CRYSTAL (32.768kHz)				
**********						
	1-649-228-11	MOTOR FLEXIBLE BOARD				
		**********				
		< MOTOR >				
M901	1-698-084-11	MOTOR				
**********						
	A-3016-442-A	TUNER BOARD, COMPLETE				
		**********				
	1-649-231-11	TUNER FLEXIBLE BOARD				
*	3-373-595-01	TERMINAL BOARD (PLUS), BATTERY				
*	3-373-596-01	TERMINAL BOARD (MINUS), BATTERY				
*	3-904-626-01	HOLDER (LCD)				
		< CAPACITOR >				
C1	1-162-932-11	CERAMIC CHIP	2PF	0.25PF	50V	
C2	1-164-362-11	CERAMIC CHIP	470PF	5%	50V	
C3	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V	
C4	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V	
C5	1-164-382-11	CERAMIC CHIP	91PF	5%	50V	

Ref.No.	Part No.	Description			Remark
C6	1-162-930-11	CERAMIC CHIP	1PF	0.25PF	50V
C7	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C8	1-162-907-11	CERAMIC CHIP	2PF	0.25PF	50V
C9	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C10	1-164-382-11	CERAMIC CHIP	91PF	5%	50V
C11	1-135-316-11	TANTAL. CHIP	22uF	20%	2.5V
C12	1-164-113-11	CERAMIC CHIP	20PF	5%	50V
C13	1-164-730-11	CERAMIC CHIP	0.0012uF	10%	50V
C14	1-162-953-11	CERAMIC CHIP	100PF	5%	50V
C15	1-162-953-11	CERAMIC CHIP	100PF	5%	50V
C16	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C17	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C18	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C19	1-162-953-11	CERAMIC CHIP	100PF	5%	50V
C20	1-162-953-11	CERAMIC CHIP	100PF	5%	50V
C21	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C22	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C23	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C24	1-163-020-00	CERAMIC CHIP	0.0082uF	10%	50V
C25	1-163-020-00	CERAMIC CHIP	0.0082uF	10%	50V
C26	1-163-809-11	CERAMIC CHIP	0.047uF	10%	25V
C27	1-164-345-11	CERAMIC CHIP	0.082uF	10%	25V
C28	1-163-139-00	CERAMIC CHIP	820PF	5%	50V
C29	1-164-004-11	CERAMIC CHIP	0.1uF	10%	25V
C30	1-164-346-11	CERAMIC CHIP	1uF		16V
C31	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C32	1-164-346-11	CERAMIC CHIP	1uF		16V
C33	1-164-346-11	CERAMIC CHIP	1uF		16V
C34	1-162-930-11	CERAMIC CHIP	1PF	0.25PF	50V
C35	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C36	1-164-160-11	CERAMIC CHIP	20PF	5%	50V
C37	1-162-941-11	CERAMIC CHIP	10PF	0.5PF	50V
C38	1-164-362-11	CERAMIC CHIP	470PF	5%	50V
C39	1-135-317-11	TANTAL. CHIP	33uF	20%	2.5V
C40	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C41	1-135-151-21	TANTALUM CHIP	4.7uF	20%	4V
C42	1-164-005-11	CERAMIC CHIP	0.47uF		25V
C43	1-164-382-11	CERAMIC CHIP	91PF	5%	50V
C44	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C45	1-135-202-21	TANTAL. CHIP	22uF	20%	4V
C46	1-135-151-21	TANTALUM CHIP	4.7uF	20%	4V
C47	1-164-315-11	CERAMIC CHIP	470PF	5%	50V
C48	1-162-954-11	CERAMIC CHIP	120PF	5%	50V
C49	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C50	1-135-316-11	TANTAL. CHIP	22uF	20%	2.5V
C51	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C52	1-164-237-11	CERAMIC CHIP	16PF	5%	50V
C53	1-164-238-11	CERAMIC CHIP	36PF	5%	50V
C54	1-135-202-21	TANTAL. CHIP	22uF	20%	4V
C55	1-164-156-11	CERAMIC CHIP	0.1uF		25V

Ref.No.	Part No.	Description			Remark
C56	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C57	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C58	1-162-953-11	CERAMIC CHIP	100PF	5%	50V
C59	1-162-953-11	CERAMIC CHIP	100PF	5%	50V
C60	1-162-953-11	CERAMIC CHIP	100PF	5%	50V
C61	1-162-953-11	CERAMIC CHIP	100PF	5%	50V
C62	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C63	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C64	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C65	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C66	1-162-964-11	CERAMIC CHIP	0.001uF	10%	50V
C67	1-162-964-11	CERAMIC CHIP	0.001uF	10%	25V
C71	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C72	1-162-953-11	CERAMIC CHIP	100PF	5%	50V
C73	1-162-962-11	CERAMIC CHIP	470PF	10%	50V
C74	1-162-568-11	CERAMIC CHIP	0.33uF	10%	16V
C75	1-164-346-11	CERAMIC CHIP	1uF		16V
C76	1-135-201-11	TANTALUM CHIP	10uF	20%	4V
C77	1-164-346-11	CERAMIC CHIP	1uF		16V
C78	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C79	1-163-989-11	CERAMIC CHIP	0.033uF	10%	25V
C80	1-164-227-11	CERAMIC CHIP	0.022uF	10%	25V
C81	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C82	1-164-346-11	CERAMIC CHIP	1uF		16V
C83	1-135-201-11	TANTALUM CHIP	10uF	20%	4V
C84	1-164-346-11	CERAMIC CHIP	1uF		16V
C85	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C86	1-135-201-11	TANTALUM CHIP	10uF	20%	4V
C87	1-163-009-11	CERAMIC CHIP	0.001uF	10%	50V
C88	1-164-156-11	CERAMIC CHIP	0.1uF		25V

< FILTER >

CF1	1-579-974-11	FILTER, CERAMIC (10.7MHz)
CF2	1-579-974-11	FILTER, CERAMIC (10.7MHz)
CF3	1-579-823-21	FILTER, CERAMIC (450kHz)

< CONNECTOR >

CN1	1-537-585-11	CONDUCTIVE BOARD, CONNECTION

< TRIMMER >

CT1	1-141-327-11	CAP, VAR, TRIMMER (CHIP TYPE) 10PF
CT2	1-141-327-11	CAP, VAR, TRIMMER (CHIP TYPE) 10PF

< DIODE >

D1	8-719-939-02	DIODE	SVC203CP
D2	8-719-939-02	DIODE	SVC203CP
D3	8-719-800-76	DIODE	1SS226
D4	8-719-951-05	DIODE	KV1560
D5	8-719-420-51	DIODE	MA729
D6	8-719-404-46	DIODE	MA110

TUNER

Ref. No.	Part No.	Description	Remark
D7	8-719-420-51	DIODE MA729	
D8	8-719-159-44	DIODE RD11SB2	
D21	8-719-159-10	DIODE RD5.1SB	
D22	8-719-159-10	DIODE RD5.1SB	
D23	8-719-159-10	DIODE RD5.1SB	
		< FILTER >	
FL1	1-239-108-11	FILTER, BAND PASS	
		< IC >	
IC1	8-759-245-96	IC TA8182FN	
IC2	8-759-231-03	IC TA8153FN	
IC3	8-759-194-66	IC uPD1724GB-656-1A7	
IC4	8-759-166-42	IC S-80718HN-UF	
IC5	8-759-186-88	IC TA2015FN-EL	
		< COIL >	
L1	1-406-844-11	COIL (WITH CORE) (RF)	
L2	1-406-843-11	COIL (WITH CORE) (OSC)	
L3	1-412-006-31	INDUCTOR CHIP 10uH	
L4	1-501-622-11	ANTENNA, FERRITE-ROD (MW)	
L5	1-410-213-51	INDUCTOR CHIP 56uH	
L6	1-410-213-51	INDUCTOR CHIP 56uH	
L7	1-412-006-31	INDUCTOR CHIP 10uH	
		< LIQUID CRYSTAL DISPLAY >	
LCD1	1-810-269-11	DISPLAY PANEL, LIQUID CRYSTAL	
		< DIODE >	
LED1	8-719-404-20	LED LN1251C-TR	
		< TRANSISTOR >	
Q1	8-729-117-72	TRANSISTOR 2SC4178-F13	
Q2	8-729-421-77	TRANSISTOR UN5210-R	
Q3	8-729-117-72	TRANSISTOR 2SC4178-F13	
Q4	8-729-117-72	TRANSISTOR 2SC4178-F13	
Q6	8-729-420-50	TRANSISTOR UN5215	
Q7	8-729-807-87	TRANSISTOR 2SB1295-UL6	
Q9	8-729-220-93	TRANSISTOR 2SK209-G	
Q10	8-729-602-21	TRANSISTOR 2SC4154-F	
Q11	8-729-220-93	TRANSISTOR 2SK209-G	
Q14	8-729-400-55	TRANSISTOR 2SD1328-S	
Q15	8-729-800-37	TRANSISTOR 2SD1048-X7	
Q16	8-729-807-87	TRANSISTOR 2SB1295-UL6	
Q17	8-729-425-25	TRANSISTOR XN4604	
Q18	8-729-402-84	TRANSISTOR XN4601	
Q19	8-729-403-24	TRANSISTOR XN4210	
Q20	8-729-420-50	TRANSISTOR UN5215	
Q21	8-729-420-50	TRANSISTOR UN5215	

Ref. No.	Part No.	Description			Remark
Q22	8-729-220-93	TRANSISTOR 2SK209-G			
		< RESISTOR >			
R1	1-216-853-11	METAL CHIP	470K	5%	1/16W
R2	1-216-853-11	METAL CHIP	470K	5%	1/16W
R3	1-216-853-11	METAL CHIP	470K	5%	1/16W
R4	1-216-853-11	METAL CHIP	470K	5%	1/16W
R5	1-216-833-11	METAL CHIP	10K	5%	1/16W
R6	1-216-814-11	METAL CHIP	270	5%	1/16W
R7	1-216-833-11	METAL CHIP	10K	5%	1/16W
R8	1-216-845-11	METAL CHIP	100K	5%	1/16W
R10	1-216-815-11	METAL CHIP	330	5%	1/16W
R11	1-216-843-11	METAL CHIP	68K	5%	1/16W
R12	1-216-815-11	METAL CHIP	330	5%	1/16W
R13	1-216-822-11	METAL CHIP	1.2K	5%	1/16W
R21	1-216-839-11	METAL CHIP	33K	5%	1/16W
R22	1-216-825-11	METAL CHIP	2.2K	5%	1/16W
R23	1-216-841-11	METAL CHIP	47K	5%	1/16W
R24	1-216-841-11	METAL CHIP	47K	5%	1/16W
R25	1-216-830-11	METAL CHIP	5.6K	5%	1/16W
R26	1-216-834-11	METAL CHIP	12K	5%	1/16W
R27	1-216-833-11	METAL CHIP	10K	5%	1/16W
R28	1-216-833-11	METAL CHIP	10K	5%	1/16W
R29	1-216-833-11	METAL CHIP	10K	5%	1/16W
R30	1-216-845-11	METAL CHIP	100K	5%	1/16W
R31	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R41	1-216-841-11	METAL CHIP	47K	5%	1/16W
R42	1-216-841-11	METAL CHIP	47K	5%	1/16W
R43	1-216-833-11	METAL CHIP	10K	5%	1/16W
R51	1-216-833-11	METAL CHIP	10K	5%	1/16W
R52	1-216-857-11	METAL CHIP	1M	5%	1/16W
R53	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R55	1-216-833-11	METAL CHIP	10K	5%	1/16W
R56	1-216-845-11	METAL CHIP	100K	5%	1/16W
R57	1-216-833-11	METAL CHIP	10K	5%	1/16W
R61	1-216-845-11	METAL CHIP	100K	5%	1/16W
R62	1-216-841-11	METAL CHIP	47K	5%	1/16W
R63	1-216-841-11	METAL CHIP	47K	5%	1/16W
R64	1-216-841-11	METAL CHIP	47K	5%	1/16W
R66	1-216-821-11	METAL CHIP	1K	5%	1/16W
R67	1-216-857-11	METAL CHIP	1M	5%	1/16W
R68	1-216-857-11	METAL CHIP	1M	5%	1/16W
R69	1-216-857-11	METAL CHIP	1M	5%	1/16W
R71	1-216-833-11	METAL CHIP	10K	5%	1/16W
R72	1-216-833-11	METAL CHIP	10K	5%	1/16W
R73	1-216-830-11	METAL CHIP	5.6K	5%	1/16W
R74	1-216-837-11	METAL CHIP	22K	5%	1/16W
R75	1-216-828-11	METAL CHIP	3.9K	5%	1/16W
R82	1-216-829-11	METAL CHIP	4.7K	5%	1/16W
R83	1-216-817-11	METAL CHIP	470	5%	1/16W

Ref. No.	Part No.	Description			Remark
R84	1-216-815-11	METAL CHIP	330	5% 1/16W	
R85	1-216-805-11	METAL CHIP	47	5% 1/16W	
R86	1-216-841-11	METAL CHIP	47K	5% 1/16W	
R87	1-216-821-11	METAL CHIP	1K	5% 1/16W	
R88	1-216-853-11	METAL CHIP	470K	5% 1/16W	
R91	1-216-820-11	METAL CHIP	820	5% 1/16W	
R92	1-216-821-11	METAL CHIP	1K	5% 1/16W	
R93	1-216-822-11	METAL CHIP	1.2K	5% 1/16W	
R94	1-216-823-11	METAL CHIP	1.5K	5% 1/16W	
R95	1-218-707-11	METAL CHIP	4.3K	0.50% 1/16W	
		< VARIABLE RESISTOR >			
RV1	1-241-595-11	RES, ADJ, METAL GLAZE 22K			
		< SWITCH >			
S1	1-692-088-51	SWITHC, TACTILE (TUNE -)			
S2	1-692-088-51	SWITHC, TACTILE (TUNE +)			
S3	1-692-088-51	SWITHC, TACTILE (ENTER)			
S4	1-571-275-31	SWITCH, SLIDE (HOLD)			
S5	1-571-275-31	SWITCH, SLIDE (FM)			
S11	1-692-135-21	SWITCH, KEY BOARD (RADIO OFF/■)			
S12	1-692-135-21	SWITCH, KEY BOARD (◀ ▶)			
S13	1-692-135-21	SWITCH, KEY BOARD (PRESET +/FF)			
S14	1-692-135-21	SWITCH, KEY BOARD (PRESET -/REW)			
S15	1-692-135-21	SWITCH, KEY BOARD (RADIO ON/BAND)			
S16	1-572-467-21	SWITCH, PUSH (1 KEY) (⌐ REC)			
		< TRANSFORMER >			
T1	1-404-941-21	COIL (DET)			
T2	1-406-401-21	COIL (OSC)			
T3	1-404-940-21	TRANSFORMER, IF			
T4	1-404-941-21	COIL (DET)			
T5	1-423-806-11	TRANSFORMER, DC-DC CONVERTER			
		< VIBRATOR >			
X1	1-579-615-11	VIBRATOR, CRYSTAL (75kHz)			
**********					
		MISCELLANEOUS			
		**********			
HE901	1-500-059-11	HEAD, MAGNETIC (ERASE)			
HRP901	1-500-060-11	HEAD, MAGNETIC (RECORD/PLAYBACK)			
M901	1-698-084-11	MOTOR			
S901	1-692-100-11	SWITCH, LEAF (ATS/N CLAW DET)			
S902	1-692-101-11	SWITCH, LEAF (TAPE/R CLAW DET)			
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Ref. No.	Part No.	Description	Remark
		ACCESSORIES & PACKING MATERIALS	
		**********	
	1-528-274-11	BATTERY, LITHIUM (GX53/GX57)	
	1-528-465-11	BATTERY CHARGER (BC-820T) (GX54/GX58)	
	1-542-116-11	MICROPHONE	
	1-569-007-11	ADAPTER, CONVERSION 2P (GX54/GX58)	
	1-691-322-11	ADAPTOR, PLUG (GX57/GX58)	
*	3-385-494-11	CUSHION (GX53/GX57)	
	3-757-378-11	MANUAL, INSTRUCTION (GX57/GX58) (ENGLISH)	
	3-757-378-41	MANUAL, INSTRUCTION (GX57/GX58) (FRENCH)	
	3-757-378-51	MANUAL, INSTRUCTION (GX57/GX58) (SPANISH)	
	3-757-379-11	MANUAL, INSTRUCTION (GX53/GX54) (ENGLISH)	
	3-757-379-41	MANUAL, INSTRUCTION (GX53/GX54) (FRENCH)	
	3-757-379-51	MANUAL, INSTRUCTION (GX53/GX54) (SPANISH)	
*	3-904-723-01	INDIVIDUAL CARTON (GX53)	
*	3-904-725-01	INDIVIDUAL CARTON (GX57)	
*	3-904-729-01	INDIVIDUAL CARTON (GX54)	
*	3-904-731-01	INDIVIDUAL CARTON (GX58)	
*	3-905-107-01	FRAME, INNER (GX54/GX58)	
*	3-906-025-01	CASE ACCESSORY (GX54/GX58)	
	3-906-569-01	CASE, CARRYING	
	8-953-537-90	HEADPHONE MDR-E741MP//K SET (GX57/GX58)	
	8-953-538-90	HEADPHONE MDR-E741//K SET (GX53/GX54)	
	X-3329-657-1	ATTACHMENT	
	X-3336-715-1	STAND ASSY, MICROPHONE	

English
93H097018-1

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